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From: Lockard, Jon
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Examiner: Jon Lockard (4C31) AU 1647
Serial Number: 10/030,688

Standard search of SEQ ID NO: 1 against the following **nucleic acid** databases:

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-Pending Patents

Standard search of SEQ ID NO: 2 against the following **protein** databases:

-Issued Patents
-Pending Patents

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Examiner # 80265**

Jon M. Lockard
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Searcher: _____
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Date Searcher Picked up: 2/8/05
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Type of Search

NA Sequence: # _____
AA Sequence: # 1 _____
Structure: # _____
Bibliographic: _____
Litigation: _____
Patent Family: _____
Other: _____

Vendors and cost where applicable

STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
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SEQUENCE SYSTEM: OS/2
WWW/Internet: _____
Other(Specify): _____

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OM protein - protein search, using sw model

Run on: February 8, 2005, 16:03:31 ; Search time 46 Seconds
(without alignments)
705,920 Million cell updates/sec

Title: US-10-030-688-2

Perfect score: 2342
Sequence: 1 MDPDSQPLNSLDVPLKRPK...VYTKGAYLNWYVWKAEL 435

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database: Issued_Patents_AA.*
1: /cgn2_6/prodata/1/1aa/5A_COMB.pep.*
2: /cgn2_6/prodata/1/1aa/5B_COMB.pep.*
3: /cgn2_6/prodata/1/1aa/5A_COMB.pep.*
4: /cgn2_6/prodata/1/1aa/5B_COMB.pep.*
5: /cgn2_6/prodata/1/1aa/PCITUS_COMB.pep.*
6: /cgn2_6/prodata/1/1aa/backfillseq.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2342	100.0	435	US-09-607-745-2	Sequence 2, Appli
2	2338	99.8	435	US-09-008-211A-6	Sequence 6, Appli
3	2337	99.8	437	US-09-851-588-8	Sequence 8, Appli
4	2196	93.8	423	US-09-656-002-2	Sequence 2, Appli
5	2188	93.4	406	US-09-851-588-6	Sequence 6, Appli
6	1266	54.1	292	US-09-607-745-9	Sequence 9, Appli
7	777	33.2	418	US-10-177-661-6	Sequence 6, Appli
8	698.5	29.8	477	US-10-177-661-2	Sequence 2, Appli
9	697.5	29.2	562	US-09-879-792-12	Sequence 12, Appli
10	683	29.2	446	US-10-177-661-4	Sequence 4, Appli
11	677.5	28.9	492	US-09-685-166A-895	Sequence 895, App
12	677.5	28.9	492	US-09-879-792-14	Sequence 895, App
13	677.5	28.9	492	US-09-679-426-895	Sequence 895, App
14	677.5	28.9	492	US-09-759-143-895	Sequence 2, Appli
15	676.5	28.9	492	US-09-342-749-2	Sequence 2, Appli
16	676.5	28.9	492	US-09-691-840-2	Sequence 11074, A
17	676.5	28.9	492	US-09-949-016-11074	Sequence 934, App
18	675.5	28.8	393	US-09-759-143-934	Sequence 932, App
19	675.5	28.8	492	US-09-759-143-932	Sequence 11081, A
20	660.5	28.2	521	US-09-949-016-11081	Sequence 11082, A
21	660.5	28.2	521	US-09-949-016-11082	Sequence 11083, A
22	660.5	28.2	521	US-09-949-016-11083	Sequence 2, Appli
23	655.5	25.1	454	US-09-518-046-2	Sequence 4, Appli
24	588.5	25.0	417	US-09-820-002-4	Sequence 7182, Ap
25	584.5	25.0	452	US-09-949-016-7182	Sequence 2, Appli
26	584	24.9	452	US-09-261-416-2	Sequence 2, Appli
27	580	24.8	376	US-09-820-002-2	Sequence 2, Appli

28	574	24.5	416	2	US-09-000-846-2	Sequence 2, Appli
29	571	24.4	798	1	US-08-200-900A-2	Sequence 2, Appli
30	571	24.4	798	1	US-08-794-042-2	Sequence 2, Appli
31	571	24.4	798	5	PCT-US94-00616-2	Sequence 25, Appli
32	568	24.3	418	1	US-08-508-4486-25	Sequence 82, Appli
33	568	24.3	418	4	US-09-370-838-82	Sequence 82, Appli
34	568	24.3	418	4	US-09-370-838-82	Sequence 82, Appli
35	568	24.3	418	4	US-09-854-133-82	Sequence 62, Appli
36	566	24.2	418	4	US-09-370-838-62	Sequence 62, Appli
37	566	24.2	418	4	US-09-854-133-62	Sequence 1, Appli
38	566	24.2	418	4	US-09-854-133-62	Sequence 1, Appli
39	558.5	23.8	283	3	US-08-807-151-1	Sequence 19, Appli
40	558.5	23.8	283	3	US-08-478-957-1	Sequence 19, Appli
41	531.5	22.7	232	1	US-08-508-448C-19	Sequence 3, Appli
42	512.5	21.9	256	2	US-09-027-337-3	Sequence 3, Appli
43	512.5	21.9	256	2	US-09-644-600-3	Sequence 3, Appli
44	512.5	21.9	256	2	US-09-654-600A-3	Sequence 3, Appli
45	511	21.8	638	2	US-08-681-151-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1	US-09-607-745-2	Application US/09607745
1	Sequence 2, Appli	Patent No. 6750034
2	Sequence 2, Appli	GENERAL INFORMATION:
3	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
4	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
5	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
6	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
7	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
8	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
9	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
10	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
11	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
12	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
13	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
14	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
15	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
16	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
17	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
18	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
19	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
20	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
21	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
22	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
23	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
24	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
25	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
26	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
27	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
28	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
29	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
30	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
31	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
32	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
33	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
34	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
35	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
36	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
37	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
38	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
39	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
40	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
41	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
42	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
43	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
44	Sequence 2, Appli	APPLICANT: Dairow, Andrew L
45	Sequence 2, Appli	APPLICANT: Dairow, Andrew L

Db 361 QGEVTERMCAGIPEGVDTCQDSDGGLMYQSDQHWVGVISWVGCGGSPSTPGVYTKV 420
QY 421 SAYLAWIYVWMAEL 435
Db 421 SAYLAWIYVWMAEL 435

RESULT 2
US-09-008-271A-6

Sequence 6, Application US/09008271A
Patent No. 6203979
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
Hillman, Jennifer L.
Yue, Henry
Guegler, Karl J.
Corley, Neil C.
Tang, Tom Y.
Shah, Purvi

TITLE OF INVENTION: HUMAN PROTEASE MOLECULES
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESS: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Dr.
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/008,271A
FILING DATE: 16-Jan-1998
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Mohan-Peterson, Sheela
REGISTRATION/DOCKET NUMBER: 41,201
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-845-4166
TELEFAX: 650-845-0555

INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 435 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: COLNOT13
CLONE: 1337018
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-008-271A-6

Query Match
Best Local Similarity 99.8%; Score 2338; DB 3; Length 435;
Matches 434; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MPDSDQPLNSLDVPLKRPRIPEMFRKVGIPITIALSLASIIIVVLKVIIDKYYF 60
Db 1 MPDSDQPLNSLDVPLKRPRIPEMFRKVGIPITIALSLASIIIVVLKVIIDKYYF 60
QY 61 LCGQPLHPIPRKQCDGELDCPLGDEDEHCYKSPFEGPAVAVRSKORSTLOVDSATGN 120
Db 61 LCGQPLHPIPRKQCDGELDCPLGDEDEHCYKSPFEGPAVAVRSKORSTLOVDSATGN 120
QY 121 WFSACDFNFTALAEATACROMGYSKPTFRAVEIGPDQDLDVVEITNSQELMRNNSGP 180
Db 121 WFSACDFNFTALAEATACROMGYSKPTFRAVEIGPDQDLDVVEITNSQELMRNNSGP 180

QY 181 CLSGSLVSLHCLACGSLKTPRVYVGESEASVDSMPQVSIQYDKQHVCGSIIIDPHVLT 240
Db 181 CLSGSLVSLHCLACGSLKTPRVYVGESEASVDSMPQVSIQYDKQHVCGSIIIDPHVLT 240
QY 241 AAHCFRKHTDVNMKVRAGSDKLSGSPSLAVAKIIIEFNPMYPKNDIALMKQPLTF 300
Db 241 AAHCFRKHTDVNMKVRAGSDKLSGSPSLAVAKIIIEFNPMYPKNDIALMKQPLTF 300
QY 301 SGTVRPICLPFDELTPTATPLMTIIGFTQNGKMSDILLOASVQVISTRCNADAY 360
Db 301 SGTVRPICLPFDELTPTATPLMTIIGFTQNGKMSDILLOASVQVISTRCNADAY 360
QY 361 QGEVTERMCAGIPEGVDTCQDSDGGLMYQSDQHWVGVISWVGCGGSPSTPGVYTKV 420
Db 361 QGEVTERMCAGIPEGVDTCQDSDGGLMYQSDQHWVGVISWVGCGGSPSTPGVYTKV 420
QY 421 SAYLAWIYVWMAEL 435
Db 421 SAYLAWIYVWMAEL 435

RESULT 3
US-09-851-588-8

Sequence 8, Application US/09851588
Patent No. 6682890
GENERAL INFORMATION:
APPLICANT: Mack, David
Applicant: Gish, Kurt C.
Applicant: Wilson, Keith E.
TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING COLORECTAL CANCER, COMPOSITIONS,
FILE REFERENCE: A-66829-1/DJB/JUD/AMS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/851,588
FILING DATE: 2001-09-24
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 09/642,252
PRIORITY FILING DATE: 2000-08-17
PRIORITY APPLICATION NUMBER: US 09/656,002
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn version 3.1
SEQ ID NO 8
LENGTH: 437
TYPE: PRT
ORGANISM: Homo sapiens
US-09-851-588-8

Query Match
Best Local Similarity 99.8%; Score 2337; DB 4; Length 437;
Matches 434; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DPDSQPLNSLDVPLKRPRIPEMFRKVGIPITIALSLASIIIVVLKVIIDKYYF 61
Db 4 DPDSQPLNSLDVPLKRPRIPEMFRKVGIPITIALSLASIIIVVLKVIIDKYYF 61
QY 62 CGQPLHPIPRKQCDGELDCPLGDEDEHCYKSPFEGPAVAVRSKORSTLOVDSATGN 121
Db 64 CGQPLHPIPRKQCDGELDCPLGDEDEHCYKSPFEGPAVAVRSKORSTLOVDSATGN 121
QY 122 FSACDFNFTALAEATACROMGYSKPTFRAVEIGPDQDLDVVEITNSQELMRNNSGP 183
Db 124 FSACDFNFTALAEATACROMGYSKPTFRAVEIGPDQDLDVVEITNSQELMRNNSGP 183
QY 182 LSGSLVSLHCLACGSLKTPRVYVGESEASVDSMPQVSIQYDKQHVCGSIIIDPHVLT 241
Db 184 LSGSLVSLHCLACGSLKTPRVYVGESEASVDSMPQVSIQYDKQHVCGSIIIDPHVLT 241
QY 242 AAHCFRKHTDVNMKVRAGSDKLSGSPSLAVAKIIIEFNPMYPKNDIALMKQPLTF 301
Db 244 AAHCFRKHTDVNMKVRAGSDKLSGSPSLAVAKIIIEFNPMYPKNDIALMKQPLTF 301
QY 302 GTVRPICLPFDELTPTATPLMTIIGFTQNGKMSDILLOASVQVISTRCNADAY 361
Db 302 GTVRPICLPFDELTPTATPLMTIIGFTQNGKMSDILLOASVQVISTRCNADAY 361

Db 304 GTYRPICLPFPDEBLTPATPLMIIGMGFTKONGKMSDILLQASVQVIDSTRCNADAYQ 363
 QY 362 GBYTERKMCAGIPEGGVDTCCGDSGGELMYQSDQMHVVGIVSWGCGSGSPGVTYKVS 421
 Db 364 GBYTERKMCAGIPEGGVDTCCGDSGGELMYQSDQMHVVGIVSWGCGSGSPGVTYKVS 423
 QY 422 AYLNWYNNWKAEI 435
 Db 424 AYLNWYNNWKAEI 437

RESULT 4

US-09-656-002-2
 / Sequence 2, Application US/09656002
 / Patent No. 6455668
 / GENERAL INFORMATION:
 / APPLICANT: Mack, David
 / APPLICANT: Gish, Kurt
 / APPLICANT: Wilson, Keith
 / TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING COLORECTAL CANCER, COMPOSITIONS, AND
 / TITLE OF INVENTION: OF SCREENING FOR COLORECTAL CANCER MODULATORS
 / FILE REFERENCE: A-69108/DJB/JTD/AMS
 / CURRENT APPLICATION NUMBER: US/09/656,002
 / PRIOR FILING DATE: 2000-09-06
 / PRIOR APPLICATION NUMBER: US 09/525,993
 / PRIOR FILING DATE: 2000-03-15
 / PRIOR APPLICATION NUMBER: US 09/493,444
 / PRIOR FILING DATE: 2000-01-28
 / PRIOR APPLICATION NUMBER: PCT/US 00/07044
 / PRIOR FILING DATE: 2000-03-15
 / NUMBER OF SEQ ID NOS: 3
 / SOFTWARE: PatentIn version 3.0
 / SEQ ID NO 2
 / LENGTH: 423
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 US-09-656-002-2

Query Match 93.8%; Score 2196; DB 4; Length 423;
 Best Local Similarity 97.1%; Pred. No. 9.3e-220;
 Matches 406; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

QY 16 PLKRPRLPMETFRKVGIPITIALSLASIIIVVLIKVIIDKYYFLCGQPLHFTPRKQLC 75
 Db 4 PCANPVSFPMRPSBSVGIPLIALSLASIIIVVLIKVIIDKYYFLCGQPLHFTPRKQLC 63
 QY 76 DGEIDCELGDEBEHCVKSFPPEGPAVAVRLSKDRSTLQVLDATGNWFSACFDNFTALAE 135
 Db 64 DGEIDCELGDEBEHCVKSFPPEGPAVAVRLSKDRSTLQVLDATGNWFSACFDNFTALAE 123
 QY 136 TACRQMGYSKPTFRAYEIGPDQDLVVEITENSQELMRNNSGPGCLSGSLVSLHCLACG 195
 Db 124 TACRQMGYSKPTFRAYEIGPDQDLVVEITENSQELMRNNSGPGCLSGSLVSLHCLACG 183
 QY 196 KSLKTPRVVGGEEASVDSWPMQVSIQYDKQVCCGSLIDPRMVLTAACHCFKHTDVFENWK 255
 Db 184 KSLKTPRVVGGEEASVDSWPMQVSIQYDKQVCCGSLIDPRMVLTAACHCFKHTDVFENWK 243
 QY 256 VRAGSDKLGSPPLSAVAKIIIEFNPMYPKNDIALMKLQPLTFSGTVRPICLPFPDEE 315
 Db 244 VRAGSDKLGSPPLSAVAKIIIEFNPMYPKNDIALMKLQPLTFSGTVRPICLPFPDEE 303
 QY 316 LTPATPLMIIGMGFTKONGKMSDILLQASVQVIDSTRCNADAYQGEVTERKMCAGIPE 375
 Db 304 LTPATPLMIIGMGFTKONGKMSDILLQASVQVIDSTRCNADAYQGEVTERKMCAGIPE 363
 QY 376 GGVDTCCGDSGGELMYQSDQMHVVGIVSWGCGSGSPGVTYKVSAYLNWYNNWKAEI 435
 Db 364 GGVDTCCGDSGGELMYQSDQMHVVGIVSWGCGSGSPGVTYKVSAYLNWYNNWKAEI 423

RESULT 5
 US-09-851-588-6

/ Sequence 6, Application US/09851588
 / Patent No. 6682890
 / GENERAL INFORMATION:
 / APPLICANT: Mack, David
 / APPLICANT: Gish, Kurt C.
 / APPLICANT: Wilson, Keith E.
 / TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING COLORECTAL CANCER, COMPOSITIONS, AND
 / TITLE OF INVENTION: OF SCREENING FOR COLORECTAL CANCER MODULATORS
 / FILE REFERENCE: A-68829-1/DJB/JTD/AMS
 / CURRENT APPLICATION NUMBER: US/09/851,588
 / PRIOR FILING DATE: 2001-09-24
 / PRIOR APPLICATION NUMBER: US 09/642,252
 / PRIOR FILING DATE: 2000-08-17
 / PRIOR APPLICATION NUMBER: US 09/656,002
 / PRIOR FILING DATE: 2000-09-06
 / NUMBER OF SEQ ID NOS: 9
 / SOFTWARE: PatentIn version 3.1
 / SEQ ID NO 6
 / LENGTH: 406
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 US-09-851-588-6

Query Match 93.4%; Score 2188; DB 4; Length 406;
 Best Local Similarity 100.0%; Pred. No. 6e-219;
 Matches 406; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 30 VGPIPIIALSLASIIIVVLIKVIIDKYYFLCGQPLHFTPRKQLCGEIDCELGDEBEH 89
 Db 1 VGPIPIIALSLASIIIVVLIKVIIDKYYFLCGQPLHFTPRKQLCGEIDCELGDEBEH 60
 QY 90 CVKSFPEGPAVAVRLSKDRSTLQVLDATGNWFSACFDNFTALAEATACRQMGYSKPTF 149
 Db 61 CVKSFPEGPAVAVRLSKDRSTLQVLDATGNWFSACFDNFTALAEATACRQMGYSKPTF 120
 QY 150 RAVEIGPDQDLVVEITENSQELMRNNSGPGCLSGSLVSLHCLACGKSLKTPRVVGGEEA 209
 Db 121 RAVEIGPDQDLVVEITENSQELMRNNSGPGCLSGSLVSLHCLACGKSLKTPRVVGGEEA 180
 QY 210 SVDSPWQVSIQYDKQVCCGSLIDPRMVLTAACHCFKHTDVFENWKVRAGSDKLGSPSL 269
 Db 181 SVDSPWQVSIQYDKQVCCGSLIDPRMVLTAACHCFKHTDVFENWKVRAGSDKLGSPSL 240
 QY 270 AVAKIIIEFNPMYPKNDIALMKLQPLTFSGTVRPICLPFPDEBLTPATPLMIIGMGF 329
 Db 241 AVAKIIIEFNPMYPKNDIALMKLQPLTFSGTVRPICLPFPDEBLTPATPLMIIGMGF 300
 QY 330 TKONGKMSDILLQASVQVIDSTRCNADAYQGEVTERKMCAGIPEGGVDTCCGDSGGPL 389
 Db 301 TKONGKMSDILLQASVQVIDSTRCNADAYQGEVTERKMCAGIPEGGVDTCCGDSGGPL 360
 QY 390 MYQSDQMHVVGIVSWGCGSGSPGVTYKVSAYLNWYNNWKAEI 435
 Db 361 MYQSDQMHVVGIVSWGCGSGSPGVTYKVSAYLNWYNNWKAEI 406

RESULT 6

US-09-607-745-9
 / Sequence 9, Application US/09607745
 / Patent No. 6750034
 / GENERAL INFORMATION:
 / APPLICANT: Darrow, Andrew L
 / APPLICANT: Qi, Jaiin-shen
 / APPLICANT: Andrade-Gordon, Patricia
 / TITLE OF INVENTION: DNA encoding human serine protease D-G
 / FILE REFERENCE: CRT-1273
 / CURRENT APPLICATION NUMBER: US/09/607,745
 / PRIOR FILING DATE: 2000-06-30
 / NUMBER OF SEQ ID NOS: 9
 / SOFTWARE: PatentIn Ver. 2.1
 / SEQ ID NO 9
 / LENGTH: 292
 / TYPE: PRT

ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: Fusion gene
 US-09-607-745-9

Query Match 54.1%; Score 1266; DB 4; Length 292;
 Best Local Similarity 97.4%; Pred. No. 3,4e-123;
 Matches 228; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 202 RVVGGEEASVDSMPQVSIQYDKQVCGSILDPHVLTAAHCFRKHTEFNMKVYRAGSD 261
 DB 51 KIVGGVADVDSMPQVSIQYDKQVCGSILDPHVLTAAHCFRKHTEFNMKVYRAGSD 110
 QY 262 KIGSFPSLAVAKIIIEFNPMYKNDIALMQLQEPFTSGTVRPICLPFDEBELTPATP 321
 DB 111 KIGSFPSLAVAKIIIEFNPMYKNDIALMQLQEPFTSGTVRPICLPFDEBELTPATP 170
 QY 322 LMIIGMFTKONGKMSDILLQASVOVIDSTRCNADDAVQGEVTEKMCAGIPEGGVDTG 381
 DB 171 LMIIGMFTKONGKMSDILLQASVOVIDSTRCNADDAVQGEVTEKMCAGIPEGGVDTG 230
 QY 382 QGDSGGPLMYQSDQMHVGVISMGVCGGSPSTPGVYTKVSAYLMIYVWKAEL 435
 DB 231 QGDSGGPLMYQSDQMHVGVISMGVCGGSPSTPGVYTKVSAYLMIYVWKAEL 284

RESULT 7

US-10-177-661-6
 Sequence 6, Application US/10177661
 Patent No. 6794173

GENERAL INFORMATION:
 APPLICANT: Anderson, Dirk M.
 APPLICANT: Vireca, G. Duke
 TITLE OF INVENTION: DENDRITIC CELL TRANSMEMBRANE SERINE PROTEASE
 FILE REFERENCE: 3256-A
 CURRENT APPLICATION NUMBER: US/10/177,661
 PRIOR FILING DATE: 2002-06-20
 PRIOR APPLICATION NUMBER: US 60/299,606
 PRIOR FILING DATE: 2001-06-20
 NUMBER OF SEQ ID NOS: 6
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 6
 LENGTH: 418
 TYPE: PRP
 ORGANISM: Artificial sequence
 FEATURE:
 OTHER INFORMATION: Consensus sequence
 FEATURE:
 NAME/KEY: MISC FEATURE
 LOCATION: (1)-(418)
 OTHER INFORMATION: Xaa = unknown
 US-10-177-661-6

Query Match 33.2%; Score 777; DB 4; Length 418;
 Best Local Similarity 42.1%; Pred. No. 4.8e-72;
 Matches 172; Conservative 40; Mismatches 151; Indels 46; Gaps 11;

QY 69 IPRKQICDGLDPLGDEDEHCKVSPFEGPAVAVRLSKDRLTQVDSATGMFSCFNP 128
 DB 3 IPRKQICDGLDPLGDEDEHCKVSPFEGPAVAVRLSKDRLTQVDSATGMFSCFNP 62
 QY 129 FFEALAEACROMGVSS-----KPTFAVEIGPDODDVAITEENSQELM 174
 DB 63 WNEISYXKXCKQKXSAKYXSEKXKXGANSFKLANVSPKLLXHXYSIXXIX 122
 QY 175 RNSGPGCLGSLVSLHCLA--CGKSLK---TPRVVGESEASVDSMPQVSIQYDK-QHY 227
 DB 123 RNSGPGCLGSLVSLHCLA--CGKSLK---TPRVVGESEASVDSMPQVSIQYDK-QHY 182
 QY 228 CGGSILDPHVLTAAHCF--RKHTDVFNMKVYRAG--SDKLGSPSL--AAVAKIIIEFN 280
 DB 183 CGGSILDPHVLTAAHCF--RKHTDVFNMKVYRAG--SDKLGSPSL--AAVAKIIIEFN 239

QY 281 PMY-----PKNDIALMQLQEPFTSGTVRPICLPFDEBELTPATPLMIIGMFTK 331
 DB 240 PMYXXXXXXXXXKNDIALMQLQEPFTSGTVRPICLPFDEBELTPATPLMIIGMFTK 299
 QY 332 QNGKMSDILLQASVOVIDSTRCNADDAVQGEVTEKMCAGIPEGGVDTGQDSGGPLM- 390
 DB 300 EXXGKTSFVLQEAAYPLIDNKKCNSEYXYDNKXITPRMFCAGYLEGSDVSCQDSGGPLVC 359
 QY 391 ----YQSDQMHVGVISMGVCGGSPSTPGVYTKVSAYLMIYVWKAEL 434
 DB 360 EXXGXQNNRMWMLXGTSWGXGCKAXANKRGVYTXVTLXWYISQWKAEL 408

RESULT 8

US-10-177-661-2
 Sequence 2, Application US/10177661
 Patent No. 6794173

GENERAL INFORMATION:
 APPLICANT: Anderson, Dirk M.
 APPLICANT: Vireca, G. Duke
 TITLE OF INVENTION: DENDRITIC CELL TRANSMEMBRANE SERINE PROTEASE
 FILE REFERENCE: 3256-A
 CURRENT APPLICATION NUMBER: US/10/177,661
 PRIOR FILING DATE: 2002-06-20
 PRIOR APPLICATION NUMBER: US 60/299,606
 NUMBER OF SEQ ID NOS: 6
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 2
 LENGTH: 477
 TYPE: PRP
 ORGANISM: Homo sapiens
 US-10-177-661-2

Query Match 29.8%; Score 638.5; DB 4; Length 477;
 Best Local Similarity 34.6%; Pred. No. 8.6e-64;
 Matches 157; Conservative 74; Mismatches 172; Indels 51; Gaps 12;

QY 3 PSDQPLNSLDVPRKPRIPMETPR--KVGPIIALSLASIIIVVLIKILDKYF 60
 DB 49 PMSYSPAAAL-----LIGTSLPFTWRBGQKQPLIGCVLLIALVLSLIL-----PQP 98
 QY 61 LCGQ-----PLHFIPRQICDGLDPLGDEDEHCKVSPFEGPAVAVRLSKDR 108
 DB 99 WQGHGIRYKEGRBSCPKAV-----RCQGVVDCKLKSDELG-----VRFDMDK 143
 QY 109 STLQVLDSATGNWFACPDNTFALAEFTAACROMGVSSKPTFAVEIGPDODDVAITEEN 168
 DB 144 SLKTYSGSHQWLPICSSNMWDSYSEKTCQQLGFES--AHRTEVAHRDFANSPSILAY 201
 QY 169 SOELMRNNSGPGCLGSLVSLHCLAAGKSLKTPRVVGESEASVDSMPQVSIQYDKQHYC 228
 DB 202 NSTIGSLHRSFCBPORYSISLQSHGRLAMTGRIVGALADSCKMPQVSLHFGTTHC 261
 QY 229 GGSILDPHVLTAAHCF--RKHTDVFNMKVYRAGSDKLSFSLA--VAKIIIEFNPMY-- 283
 DB 262 GGTLLDAQVLTAAHCF--RKHTDVFNMKVYRAGSDKLSFSLA--VAKIIIEFNPMY-- 318
 QY 284 -PKNDIALMQLQEPFTSGTVRPICLPFDEBELTPATPLMIIGMFTKONGKMSDILL 342
 DB 319 EEDDDIALMRSLKPLTSLSAHHPACLPNMGOTFSLNTECWTGPKETEDDTKTPFLR 378
 QY 343 QASVOVIDSTRCNADDAVQGEVTEKMCAGIPEGGVDTGQDSGGPLM-YQSDQMHVGI 401
 DB 379 EVQVNLIDPFCNDVLYVDSYLTTPRMKAGDRLRGSDSCQDSGGPLVCEQNNRMVYIAGV 438
 QY 402 VSMGTCGGSPSTPGVYTKVSAYLMIYVWKAEL 435
 DB 439 TSMGTGCGGRNKPQVYTKVTEVLPMYISKMESEV 472

RESULT 9

US-09-879-792-12

```

Sequence 12, Application US/09879792
Patent No. 6734006
GENERAL INFORMATION:
APPLICANT: Xieo, Yonshong
APPLICANT: Gedrich, Richard
TITLE OF INVENTION: Regulation of Human Transmembrane Serine
TITLE OF INVENTION: Protease
FILE REFERENCE: 02973.00035
CURRENT APPLICATION NUMBER: US/09/879,792
PRIOR FILING DATE: 2001-06-13
PRIOR APPLICATION NUMBER: US 60/211,224
PRIOR FILING DATE: 2000-06-13
PRIOR APPLICATION NUMBER: US 60/283,353
PRIOR FILING DATE: 2001-04-13
PRIOR APPLICATION NUMBER: US 60/283,648
PRIOR FILING DATE: 2001-04-16
PRIOR APPLICATION NUMBER: PCT
PRIOR FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 36
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12
LENGTH: 562
TYPE: PRT
ORGANISM: Homo sapiens
US-09-879-792-12

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```

Query Match 29.8%; Score 697.5; DB 4; Length 562;
Best Local Similarity 34.9%; Pred. No. 1,4e-63;
Matches 152; Conservative 73; Mismatches 163; Indels 47; Gaps 11;

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QY 22 I P M E F R - K V G I P I I A L S L A S I I V V L K I L D K Y F L C G Q - - - - - P L H 67
DB 149 L P K F T W R G Q K L P L I G C V L L A L V S L I I L - - - - - F Q F W G H T G I R Y K Q R S C P H 202
QY 68 F I P R K Q L C D G E L D C P I G D E H C V K S P R E G P A V A V L S K D R S T L O V L S A T G N W F S A C P D 127
DB 203 A V - - - - R D G V V D C L K S D E L G C - - - - - V R F W D K S L K I Y S G S H Q W L P I C S 247
QY 128 N P T E L A E T A C R Q M G Y S K E P T F R A V E I G P D Q L D V E I T E N Q E L R M R S S P C L S G S L V 187
DB 248 N W N D S Y S E K T C Q Q L D P E S - - A H R T T E V A H R D P A N S F S I L R Y N S T I Q E S L H R S C E P S Q R Y I 305
QY 188 S L H C A C G S L K T P R V V G E B A S V D S W P M Q V S I O Y D K O H V C G S I L D P H V L T A H C F - - 245
DB 306 S L Q C H C G I R A M T G I V G A L A S D S K M P Q V S L H G T T H I C G T L I D A Q W V L T A H C F V 365
QY 246 R K H T D V F W M K V A G S D K L S F P S L A - V A K I I I I E F N P M Y - - - P K D N D I A L M K L Q E P L T F S 301
DB 366 T R E K L B E G M K V A G S N L H Q L P E A S I A E I I I - - - N S N Y T D E B D Y D I A L M L S K P L T L S 422
QY 302 G T V R P I C L P F P E D E L T P A T P L M I I G W G F T K O N G K M S D I L L O A S Q V I D S T C N A D M A V Q 361
DB 423 A H I H P A C L P M H Q T S L M E T C W I T F G K T R E T D D T S P L R E V Q V L I D F K K C N D Y L V Y D 482
QY 362 G E V T E K M C A G I P E G V D T C O G D S G G P L M - Y O S D M H V V G I V S W G Y C G S P S T P G V Y T V 420
DB 483 S V L T R M M C A G L R G R D S C O G D S G G P L V C E Q N N R Y L A G V S W G T G C G R K R P G Y T T V 542
QY 421 S A Y L M W I Y W V K A E L 435
DB 543 T E V L P M I Y S K M E S E V 557

```

```

RESULT 10
US-10-177-661-4
Sequence 4, Application US/10177661
Patent No. 6794173
GENERAL INFORMATION:
APPLICANT: Anderson, Dirk M.
APPLICANT: Vitera, G. Duke
TITLE OF INVENTION: DENDRITIC CELL TRANSMEMBRANE SERINE PROTEASE
FILE REFERENCE: 3256-A
CURRENT APPLICATION NUMBER: US/10/177,661

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CURRENT FILING DATE: 2002-06-20
PRIOR APPLICATION NUMBER: US 60/299,606
PRIOR FILING DATE: 2001-06-20
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn version 3.1
SEQ ID NO 4
LENGTH: 446
TYPE: PRT
ORGANISM: Homo sapiens
US-10-177-661-4

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Query Match 29.2%; Score 683; DB 4; Length 446;
Best Local Similarity 34.1%; Pred. No. 3.2e-62;
Matches 155; Conservative 70; Mismatches 147; Indels 82; Gaps 13;

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QY 3 P D S D P L S L D V K P R K R I P M E T F R - K V G I P I I A L S L A S I I V V L K I L D K Y F 60
DB 49 P A S Y S P A A L - - - - L G T S L P F T W R E G Q K L P L I G C V L L A L V S L I I L - - - - - P Q F 98
QY 61 L O G Q - - - - - P L H F I P R K Q L C D G E L D C P I G D E H C V K S P R E G P A V A V L S K D R 108
DB 99 W O G H T G I R Y K Q R S C P H A V - - - - R D G V V D C L K S D E L G C - - - - - V R F W D K 143
QY 109 S T L Q V L D S A T G N W F S A C P D N F T E A L A E T A C R Q M G Y S K E P T F R A V E I G P D Q L D V E I T E N 168
DB 144 S L K I Y S G S H Q W L P I C S N M N D S Y S E K T C Q Q L G F - - - - - E R 180
QY 169 S O E L M R N S S G P C L S G S L V S L H C L A C G S L K T P R V V G E B A S V D S W P M Q V S I O Y D K O H C 228
DB 181 S E - - - - - C P S Q R Y I S I D C S H C G L R A M G T R I V G A L A S D S K M P Q V S L H F G T T H C 230
QY 229 G G S I L D P H V L T A H C F - - R K H T D V F W M K V A G S D K L S F P S L A - V A K I I I I E F N P M Y - - 283
DB 231 G G T L I D A Q W V L T A H C F V T R E K V L B G M K V A G T S N L H Q L P E A S I A E I I I - - - N S N Y T D 287
QY 284 - P K D N D I A L M K L Q E P L T F S G T V R P I C L P F P E D E L T P A T P L M I I G W G F T K O N G K M S D I L L 342
DB 288 E E D D Y D I A L M R L S K P L T S A H I H P A C L P M H G Q T F S L N E T C W I T F G K T R E T D D T S P F L R 347
QY 343 Q A S V O V I D S T C N A D M A V Q B V T E K M C A G I P E G V D T C O G D S G G P L M - Y O S D M H V V G I 401
DB 348 E V Q V L I D F K K C N D Y L V S Y L T P R M C A G D L R G R D S C O G D S G G P L V C E Q N N R Y L A G V 407
QY 402 V S M G Y C G S P S T P G V Y T V K S A Y L M W I Y W V K A E L 435
DB 408 T S M G T C C G R K R P G Y T T V T E V L P M I Y S K M E S E V 441

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RESULT 11
US-09-685-166A-895
Sequence 895, Application US/09685166A
Patent No. 6630305
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yugu
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yael A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.427C21

```

CURRENT APPLICATION NUMBER: US/09/685,166A
 CURRENT FILING DATE: 2000-10-10
 NUMBER OF SEQ ID NOS: 898
 SOFTWARE: FaSeq for Windows Version 3.0
 SEQ ID NO: 895
 LENGTH: 492
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-685-166A-895

Query Match 28.9%; Score 677.5; DB 4; Length 492;
 Best Local Similarity 39.4%; Pred. No. 1.4e-61;
 Matches 151; Conservative 56; Mismatches 127; Indels 49; Gaps 13;

75 CDGELDCPLGDEDEHCVKSPPEGPAVAVRLSKDRSTLQVDSATGNWFSACFDNFTBALA 134
 133 CDGVSHCPGGEDEHRCVRLY--GP-----NFIQWYSQKSKWHFVPCQDDMNENY 181
 135 ETACROMGYSKPTFAVEIGRPQDDIVVEITENSGELRBRNSG-----PCL 182
 182 RAACRDMGY--KNPFSSQ-----GIYDSSGSTSPMKLNTSAGNVDIYKLYHSDACS 232
 183 SGLVSLHCLACGKSL---KTPRVGGEBAVDSWPMQVSIQYDKOHVCGSILDPHMYL 239
 233 SKAVSLRLCLACGVNLNSQSRIVGSESLPGAMPQVSLHQNWHVCGSILTPEMIV 292
 240 TAAHCFRKH-TDVFNMKVRAAGDKLGSF---PSLAVAKIIIEFPMY---PRNDIAL 291
 293 TAAHCFEKLPMNPMWHTAFAGILR-QSFMEYAGAYQVKYI---SHPNYDSTKKNNDIAL 348
 292 MKIQPLTSGTVRPICLPFPDELTPTATPLMTIIGMFTKONGKMSDILLQASVQVIDS 351
 349 MKIQPLTNDLVKPYCLPFPGMMLQBPOLCWSMGATEBK-GKTSEVNLAAKVLIIET 407
 352 TRCNADAYQGEVTERKMCAGIPEGVDTCQDSSGSEPLMYQSDQ-WHVGIVSWGCGG 410
 408 QRCNSRYVDNLITPAMICAGFLQGNVDSQDSSGSEPLVTSNNIMWLIDTSMGSGCAK 467
 411 PSTPGYTTKVSATLNTIYNWKA 433
 468 AYRPGYGNVMTPTDWTYRQKA 490

RESULT 12
 US-09-679-792-14
 Sequence 14, Application US/09679792
 Patent No. 6734006
 GENERAL INFORMATION:
 APPLICANT: Xiao, Yonghong
 APPLICANT: Gedlich, Richard
 TITLE OF INVENTION: Regulation of Human Transmembrane Sertine
 FILE REFERENCE: 02973.00035
 CURRENT APPLICATION NUMBER: US/09/679,792
 CURRENT FILING DATE: 2001-06-13
 PRIOR APPLICATION NUMBER: US 60/211,224
 PRIOR FILING DATE: 2000-06-13
 PRIOR APPLICATION NUMBER: US 60/283,353
 PRIOR FILING DATE: 2001-04-13
 PRIOR APPLICATION NUMBER: US 60/283,648
 PRIOR FILING DATE: 2001-04-16
 PRIOR APPLICATION NUMBER: PCT
 PRIOR FILING DATE: 2001-06-12 (Docket No. 6734006 LIO-81-WO)
 NUMBER OF SEQ ID NOS: 36
 SOFTWARE: FaSeq for Windows Version 4.0
 SEQ ID NO: 14
 LENGTH: 492
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-679-792-14

Query Match 28.9%; Score 677.5; DB 4; Length 492;
 Best Local Similarity 39.4%; Pred. No. 1.4e-61;

Matches 151; Conservative 56; Mismatches 127; Indels 49; Gaps 13;

75 CDGELDCPLGDEDEHCVKSPPEGPAVAVRLSKDRSTLQVDSATGNWFSACFDNFTBALA 134
 133 CDGVSHCPGGEDEHRCVRLY--GP-----NFIQWYSQKSKWHFVPCQDDMNENY 181
 135 ETACROMGYSKPTFAVEIGRPQDDIVVEITENSGELRBRNSG-----PCL 182
 182 RAACRDMGY--KNPFSSQ-----GIYDSSGSTSPMKLNTSAGNVDIYKLYHSDACS 232
 183 SGLVSLHCLACGKSL---KTPRVGGEBAVDSWPMQVSIQYDKOHVCGSILDPHMYL 239
 233 SKAVSLRLCLACGVNLNSQSRIVGSESLPGAMPQVSLHQNWHVCGSILTPEMIV 292
 240 TAAHCFRKH-TDVFNMKVRAAGDKLGSF---PSLAVAKIIIEFPMY---PRNDIAL 291
 293 TAAHCFEKLPMNPMWHTAFAGILR-QSFMEYAGAYQVKYI---SHPNYDSTKKNNDIAL 348
 292 MKIQPLTSGTVRPICLPFPDELTPTATPLMTIIGMFTKONGKMSDILLQASVQVIDS 351
 349 MKIQPLTNDLVKPYCLPFPGMMLQBPOLCWSMGATEBK-GKTSEVNLAAKVLIIET 407
 352 TRCNADAYQGEVTERKMCAGIPEGVDTCQDSSGSEPLMYQSDQ-WHVGIVSWGCGG 410
 408 QRCNSRYVDNLITPAMICAGFLQGNVDSQDSSGSEPLVTSNNIMWLIDTSMGSGCAK 467
 411 PSTPGYTTKVSATLNTIYNWKA 433
 468 AYRPGYGNVMTPTDWTYRQKA 490

RESULT 13
 US-09-679-426-895
 Sequence 895, Application US/09679426
 Patent No. 6759515
 GENERAL INFORMATION:
 APPLICANT: Xu, Jiangchun
 APPLICANT: Dillon, Devin C.
 APPLICANT: Mitcham, Jennifer L.
 APPLICANT: Harlocker, Susan L.
 APPLICANT: Jiang, Yugu
 APPLICANT: Henderson, Robert A.
 APPLICANT: Kaloos, Michael D.
 APPLICANT: Fanger, Gary R.
 APPLICANT: Retter, Marc W.
 APPLICANT: Stolk, John A.
 APPLICANT: Day, Craig H.
 APPLICANT: Devick, Thomas S.
 APPLICANT: Carter, Darriek
 APPLICANT: Li, Samuel
 APPLICANT: Wang, Aijun
 APPLICANT: Hepler, William
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
 FILE REFERENCE: 210121.427C20
 CURRENT APPLICATION NUMBER: US/09/679,426
 CURRENT FILING DATE: 2000-10-02
 NUMBER OF SEQ ID NOS: 895
 SOFTWARE: FaSeq for Windows Version 3.0
 SEQ ID NO: 895
 LENGTH: 492
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-679-426-895

Query Match 28.9%; Score 677.5; DB 4; Length 492;
 Best Local Similarity 39.4%; Pred. No. 1.4e-61;
 Matches 151; Conservative 56; Mismatches 127; Indels 49; Gaps 13;

75 CDGELDCPLGDEDEHCVKSPPEGPAVAVRLSKDRSTLQVDSATGNWFSACFDNFTBALA 134
 133 CDGVSHCPGGEDEHRCVRLY--GP-----NFIQWYSQKSKWHFVPCQDDMNENY 181

Qy	135	STACQOMGXSPTPRAVIGIPDODADVAIEINSESELMRNSG-----PCL	182
Db	182	RAACPDMEY--KNNYSS8Q-----GIYDSSGISTFMKLTINSAGVVDIYKULYHSDAGS	232
Qy	183	SGSLVSLHCLACGKSL--KTRPVVGGSEASVDSMWQVSIQYDKQHVCGGSLIDPEHVUL	239
Db	233	SKAVVSLRCLACGVLNLSRQRIYGGESALPAMWQVSLHQNVAHVCGGSLITPEMIV	282
Qy	240	TAACFCFRCH-TDVFNMKVYRAGSDKLGSF-----PSLVAKIIIEFNPMY---EKNDIAL	291
Db	293	TAHCVEKREKLNPMHMTAPAGILR-QSFMYGAGYQVQKYL---SHPNVDSKTKNDIAL	348
Qy	292	MKLQFPILTPSGIVRPLCLPFPDBELTPALPLMIIGMGFTKONGKXSDILLOASVQYIDS	351
Db	349	MKLQFPILFNDIVKPCPLPNPGNMQLPBOQLCWISGGAATBEK-GKTSSEVNAKVLITLIEI	407
Qy	352	TRCNADDAVQGEHTEKMKCAGIPBEGVDTQCGDSGGPLMYQSDQ-#HVVGIYSWGYCGCG	410
Db	408	QRCSNRYYVVDNLITPAMI CAGFLQGVNDSQCGDSGGPLVTSNNIIMWLLIGDTSWGGCAK	457
Qy	411	PSTPGVYTKVSAVLMWYVWVKA 433	
Db	468	AYRPGVYGNVVFDTMITYRQKA 490	

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1      RESULT 14
2      US-09-759-143-895
3      Sequence 895, Application US/09759143
4      Patent No. 6800746
5      GENERAL INFORMATION:
6      APPLICANT: Xu, Jiangchun
7      APPLICANT: Dillon, David C.
8      APPLICANT: Mitchem, Jennifer L.
9      APPLICANT: Harlocker, Susan L.
10     APPLICANT: Jiang, Yugu
11     APPLICANT: Henderson, Robert A.
12     APPLICANT: Kalos, Michael D.
13     APPLICANT: Panger, Gary R.
14     APPLICANT: Retter, Marc W.
15     APPLICANT: Stolk, John A.
16     APPLICANT: Day, Craig H.
17     APPLICANT: Vedvick, Thomas S.
18     APPLICANT: Carter, Darrick
19     APPLICANT: Li, Samuel
20     APPLICANT: Wang, Aijun
21     APPLICANT: Skeiky, Yasser A.W.
22     TITLE OF INVENTION: Hepier, William
23     TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
24     FILE REFERENCE: 210121.427C23
25     CURRENT APPLICATION NUMBER: US/09/759,143
26     CURRENT FILING DATE: 2001-01-12
27     NUMBER OF SEQ ID NOS: 934
28     SOFTWARE: FASTSEQ for Windows Version 3.0
29     SEQ ID NO 895
30     LENGTH: 492
31     TYPE: prt
32     ORGANISM: Homo sapiens
33     US-09-759-143-895

```

Query	March	38.9%	Score	677.5	DB	41	Length	492
Best Local	Smilarity	29.4%	Pred. No.	1.4e-61				
Matches	151	Conservative	56	Mismatches	127	Indels	49	Gaps
QY	75	CDDELDCEPGEDEEHKCVKSPFGGPAVAVLRSKDRSTQVLSDATGWSFACGDFEAL	134					
DB	133	CDGVHCEGDEBNKRVLY--GF-----NFTLYYSQSRKSMHVCQDDMKNENG	181					
QY	135	ETACFQMGYSKPTFRPAVEIGPDQDLVDVVEITENSQELMKRNSG-----PCL	182					
DB	182	RAACGDMG--KNNTYSSQ-----GIYDDSGSTSEFKLNTSAGVVDYKCLYHSDAO	232					

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Oy      183  SGLSVLSHCLACGSL---KTPRVVGGEEASVDSPMQVSIYDROKHVCGGSLIDPHWVL  239
Dp      233  SKAVVSLRCLACGVNLNSROSLVYGGSALPGAMPQVSLHVQVNVHVGGSILTPBWL  292
Oy      240  TAAHCFKRN-TDVFNMKVRAGSDKLGST---PSLAAVKIILIEHPMT---PKNDIAL  291
Dp      293  TAAHCFEPLNNPMMHTAFAGILR-QSFMFYAGAYQVQKVI--SHPNVDSKTKNNDIAL  348
Oy      292  MKLGPELPFGSTVBPICLPFDEELTPATPLWIIIGMGTCKNGKMSDILLQASVQVIDS  351
Dp      349  MKLGPELPFNLDVYKPCVCLPNPQMLQEPQLCMISGMGATEER-GKTSBYLNAKXVLLIER  407
Oy      352  TRCNADDAYQGEVTEKMKCAGIPBGGVDTPCGDSGGPLMTQSDQ-WHVVGIVSWKYGCGG  410
Dp      408  QRCNSRYVDMLITPAMICAGPLQGNVDSQGDSSGGLPVTNNNTIMWLIGDTSWGGCAK  467
Oy      411  PSTRGVYTKVASAYLNIWYMWKA  433
Dp      468  AYRGVIGNVNVFTDMLITROMKA  490

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RESULT 15
US-09-342-749-2
; Sequence 2, Application US/09342749
; Patent No. 6166194
; GENERAL INFORMATION:
; APPLICANT: Wong, Alexander K.C.
; APPLICANT: Tavligian, Sean V.
; APPLICANT: Teng, David H.-F.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: TP53S2 is a Tumor Suppressor
; FILE REFERENCE: 2318-202
; CURRENT APPLICATION NUMBER: US/09/342,749
; CURRENT FILING DATE: 1999-06-29
; EARLIER APPLICATION NUMBER: US 60/091,044
; EARLIER FILING DATE: 1998-06-29
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 492
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-342-749-2

```

Query Match	28.9%	Score 676.5	DB 3	Length 492
Best Local Similarity	39.1%	Pred. No. 1.8e-61		
Matches 150	Conservative	57	Mismatches 126	Indels 49
				Gap 13
QY	75	CDGELDPLGDEDEHCVYKSPFEGPAVAVRLSKDRSTLYQLDASATGNWFSACDFNTEALIA	134	
DB	133	CDGVSHCRGGEDEAKRCVRLY--GF-----NPIQLGVSSQRKSMHPVCQDDWNNENYG	181	
QY	135	ETACRQNGYSSKPTFRAVEIGPPDDLDVVELITENSQELMRNNSG-----PCL	182	
DB	182	RAACRDNGY--KNFFYSQ-----GIVDDSGSSTSEFKMLNTSAGNVDIYKLYHSDACS	232	
QY	183	SGSLVSLHCLACGKSL--KTPRVYGEAEVSDSPWQVSIQYDKOHVCGSGSILDPHWL	239	
DB	233	SKAVVSLRCLACGVNLNLSRQSRSLVYGESHALPGAMPQVSLHVQNVHYCGSIIIRPEWIV	292	
QY	240	TAACHCFRKH-TDVFNWVKVRAGSDKLGSF---PSLIAVAKIIITIEFNPMY--PKONDIAL	291	
DB	293	TAACHVEKPLNNPMHMTAFAGILR-QSPMFAGAGQVYEKVI---SHPYVDSKTKNNIDAL	348	
QY	292	MKLQPELPLFSGTVPKICLPFFDEBELTPATPLMIITGMGTTKONGKMSDIIILQASQVIVDS	351	
DB	349	MKLQKPLTFNDLVKPCIPNPGMMLQEPQLCMISMGWITEEK-GTTSVYLNAAKVLLET	407	
QY	352	TRCNADADYQGEVEIEKMKACGIPGGVDTCCGDSGGLPMTYSDQ--WHYVGIYSWVGCGG	410	
DB	408	QRCSRYVYDNLITPAMICAGFLQGNVDSCCGDSGGLVTSKNNITWMLIGDTSWSGCAK	467	
QY	411	PSTPGVYTKVSAYLNMWIVNMAE	434	

Fri Feb 11 09:03:07 2005

us-10-030-688-2.rat

Page 8

DB 468 AYRPGVYGNVWFTDWTYRQWRAD 491

Search completed: February 8, 2005, 16:16:22
Job time : 49 secs

Fri Feb 11 09:03:06 2005

us-10-030-688-1.rml

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OM nucleic - nucleic search, using bw model

Run on: February 10, 2005, 07:36:11 ; Search time 257 Seconds
(without alignments)
8308.720 Million cell updates/sec

Title: US-10-030-688-1

Perfect score: 1305
Sequence: 1 atgcagccctgcagctgacga.....atgtctggaagctgagctg 1305

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
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2: /cgn2_6/ptodata/1/ina/5B.COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A.COMB.seq.*
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5: /cgn2_6/ptodata/1/ina/PCFUS.COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by change to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	1303.4	99.9	2038	3	US-09-008-271A-18 Sequence 18, Appl
2	1303	99.8	2081	4	US-09-851-588-7 Sequence 7, Appl
3	1301.8	99.8	2121	4	US-09-607-745-1 Sequence 1, Appl
4	1292	99.0	2079	3	US-09-656-002-1 Sequence 1, Appl
5	1292	99.0	2079	4	US-09-851-588-5 Sequence 5, Appl
6	674	51.6	1189	4	US-09-607-745-8 Sequence 8, Appl
7	190.4	14.6	1341	4	US-10-177-661-3 Sequence 3, Appl
8	190.4	14.6	1434	4	US-10-177-661-1 Sequence 1, Appl
9	190.4	14.6	1748	4	US-09-879-792-11 Sequence 11, Appl
10	164.6	12.6	2440	4	US-09-949-016-5210 Sequence 5210, Ap
11	164.6	12.6	2440	4	US-09-949-016-5211 Sequence 5211, Ap
12	164.6	12.6	2440	4	US-09-949-016-5212 Sequence 5212, Ap
13	155	11.9	2413	3	US-09-518-046-1 Sequence 1, Appl
14	151.4	11.6	1230	3	US-09-879-792-35 Sequence 35, Appl
15	150	11.5	1476	4	US-09-759-143-931 Sequence 931, App
16	150	11.5	1479	3	US-09-759-143-930 Sequence 930, App
17	150	11.5	1479	3	US-09-681-840-1 Sequence 1, Appl
18	150	11.5	1479	3	US-09-681-840-1 Sequence 1, Appl
19	150	11.5	1479	3	US-09-681-840-1 Sequence 1, Appl
20	150	11.5	1479	3	US-09-681-840-1 Sequence 1, Appl
21	147	11.3	2479	3	US-09-342-749-29 Sequence 29, Appl
22	147	11.3	2479	3	US-09-342-749-29 Sequence 29, Appl
23	147	11.3	2479	3	US-09-342-749-29 Sequence 29, Appl
24	147	11.3	2479	3	US-09-342-749-29 Sequence 29, Appl
25	147	11.3	2479	3	US-09-342-749-29 Sequence 29, Appl
26	142.8	10.9	1077	3	US-08-807-151-2 Sequence 2, Appl
27	142.8	10.9	1077	3	US-08-807-151-2 Sequence 2, Appl

28	133.6	10.2	2416	3	US-09-261-416-1 Sequence 1, Appl
29	122.8	9.4	2544	3	US-09-518-046-3 Sequence 3, Appl
30	119.4	9.1	942	4	US-09-636-382A-3 Sequence 3, Appl
31	119.2	9.1	1154	4	US-09-636-382A-1 Sequence 1, Appl
32	114.4	8.8	614	4	US-09-879-792-33 Sequence 33, Appl
33	112	8.6	1110	3	US-09-386-653A-1 Sequence 1, Appl
34	112	8.6	1212	4	US-09-520-312D-431 Sequence 431, App
35	111.6	8.6	696	1	US-08-508-448C-24 Sequence 24, Appl
36	111.6	8.6	1460	3	US-09-370-838-80 Sequence 80, Appl
37	111.6	8.6	1517	4	US-09-854-133-80 Sequence 15, Appl
38	111.6	8.6	1460	4	US-08-508-448C-15 Sequence 15, Appl
39	111.6	8.6	2790	3	US-09-370-838-79 Sequence 79, Appl
40	111.6	8.6	2790	4	US-09-854-133-79 Sequence 79, Appl
41	111	8.5	980	4	US-09-023-942A-30 Sequence 30, Appl
42	110.2	8.4	901	1	US-08-508-448C-9 Sequence 9, Appl
43	108.4	8.3	1462	3	US-09-370-838-55 Sequence 55, Appl
44	108.4	8.3	1462	4	US-09-854-133-55 Sequence 55, Appl
45	106.4	8.2	1378	4	US-09-907-794A-262 Sequence 262, App

ALIGNMENTS

RESULT 1
US-09-008-271A-18
Sequence 18, Application US/0908271A
Patent No. 6203979
GENERAL INFORMATION:
APPLICANT: Handman, Olga
Hillman, Jennifer L.
Yue, Henry
Guegler, Karl J.
Corley, Neil C.
Rang, Tom Y.
Shah, Purvi
TITLE OF INVENTION: HUMAN PROTEASE MOLECULES
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESSES:
ADDRESSER: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Dr.
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA: US/09/008, 271A
APPLICATION NUMBER: US/09/008, 271A
FILING DATE: 16-Jan-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Woman-Peterson, Sheila
REGISTRATION NUMBER: 41,201
REFERENCE/DOCKET NUMBER: PF-0458 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 2038 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: COLN0113
CLONE: 1337018
SEQUENCE DESCRIPTION: SEQ ID NO: 18:
US-09-008-271A-18

QY 303 AGTCGCGCTCTCTCCAGAGACCGATCCACTGCAAGTCTGAGACTCGGCCACAGGAACTTG 362
DB 523 AGTCCCGCTCTCCAGAGACCGATCCACTGCAAGTCTGAGACTCGGCCACAGGAACTTG 582
QY 363 GTTCTCTGCTGTTTGAACACTTTCAGAGAGCTCTCGTGAAGACAGCTGTAGAGAGAT 422
DB 583 GTTCTCTGCTGTTTGAACACTTTCAGAGAGCTCTCGTGAAGACAGCTGTAGAGAGAT 642
QY 423 GGGCTACAGACAGAAACCCACTTTCAGAGCTGTGAGATTGCTCCAGACCAAGATCTGGA 482
DB 643 GGGCTACAGACAGAAACCCACTTTCAGAGCTGTGAGATTGCTCCAGACCAAGATCTGGA 702
QY 483 TGTGTTTGAATTCAGAGAAACAGCAGAGACTTCCAGTCCGGAACCTCAAGTGGGCCCTG 542
DB 703 TGTGTTTGAATTCAGAGAAACAGCAGAGACTTCCAGTCCGGAACCTCAAGTGGGCCCTG 762
QY 543 TCTCTAGAGCTCCCTGATCTCTGCACTGTCTTGTGCTGTGAGAGAGCTGTGAAGACCC 602
DB 763 TCTCTAGAGCTCCCTGATCTCTGCACTGTCTTGTGCTGTGAGAGAGCTGTGAAGACCC 822
QY 603 CCGT 662
DB 823 CCGT 882
QY 663 GTTACGACAAACAGACAGT 722
DB 883 GTTACGACAAACAGACAGT 942
QY 723 AGCCCACTGCTTCAGAGAAACATACCGATGTGTTCATCTGAGAGTGTGTGTGTGTGTGT 782
DB 943 AGCCCACTGCTTCAGAGAAACATACCGATGTGTTCATCTGAGAGTGTGTGTGTGTGTGT 1002
QY 783 CAAACTGT 842
DB 1003 CAAACTGT 1062
QY 843 CATGTATCCCAAGACATATGATGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 902
DB 1063 CATGTATCCCAAGACATATGATGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1122
QY 903 AGGACAGTCAAGGCGCATCTGTCTGTCTTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 962
DB 1123 AGGACAGTCAAGGCGCATCTGTCTGTCTTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1182
QY 963 ACTCTGT 1022
DB 1183 ACTCTGT 1242
QY 1023 GCTGCAAGCGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCA 1082
DB 1243 GCTGCAAGCGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCA 1302
QY 1083 GGGGAGAGTCAAGGAGAGT 1142
DB 1303 GGGGAGAGTCAAGGAGAGT 1362
QY 1143 CGAGGAGAGT 1202
DB 1363 CGAGGAGAGT 1422
QY 1203 CGTTAGT 1262
DB 1423 CGTTAGT 1482
QY 1263 AGGCTATCTCACTGATCTTACATGTCTGTGAAGGCTGAGCTG 1305
DB 1483 AGGCTATCTCACTGATCTTACATGTCTGTGAAGGCTGAGCTG 1525

Patent No. 6750034
GENERAL INFORMATION:
APPLICANT: Darrow, Andrew L
APPLICANT: Q1, Jain-shen
APPLICANT: Andrade-Gordon, Patricia
TITLE OF INVENTION: DNA encoding human serine protease D-G
FILE REFERENCE: ORT-1273
CURRENT APPLICATION NUMBER: US/09/607,745
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 2121
TYPE: DNA
ORGANISM: Homo sapiens
US-09-607-745-1

Query Match 99.8%; Score 1301.8; DB 4; Length 2121;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1303; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGGAATCCAGACAGTATCAACTCTGAAACAGCTGTGATGTCAAAACCCCTGGGCAAAACC 60
DB 277 ATGGAATCCAGACAGTATCAACTCTGAAACAGCTGTGATGTCAAAACCCCTGGGCAAAACC 336
QY 61 CGTATCCCATGGAAGACTTTCAGAAAGTGGGATCCCATCATCATATGACTATGAGC 120
DB 337 CGTATCCCATGGAAGACTTTCAGAAAGTGGGATCCCATCATCATATGACTATGAGC 396
QY 121 CTGGGAGATATCATTTGT 180
DB 397 CTGGGAGATATCATTTGT 456
QY 181 CTCTGGGAGAGCTCTCCACTTCATCCGAGGAAACAGCTGTGTGTGTGTGTGTGTGTGTGTGTGT 240
DB 457 CTCTGGGAGAGCTCTCCACTTCATCCGAGGAAACAGCTGTGTGTGTGTGTGTGTGTGTGTGTGT 516
QY 241 TGTCCCTTGGGAG 300
DB 517 TGTCCCTTGGGAG 576
QY 301 GCAGTCCGCTCTCCAGAGACCGATCCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 360
DB 577 GCAGTCCGCTCTCCAGAGACCGATCCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 636
QY 361 TGGTCTCTGCTGT 420
DB 637 TGGTCTCTGCTGT 696
QY 421 ATGGGCTACAGACAGAAACCACTTTCAGAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 480
DB 697 ATGGGCTACAGACAGAAACCACTTTCAGAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 756
QY 481 GATGTTTGAATTCAGAGAAACAGCAGAGACTTTCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 540
DB 757 GATGTTTGAATTCAGAGAAACAGCAGAGACTTTCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 816
QY 541 TGTCTCTAGAGCTCCCTGTGTCTCTCTGCACTGTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 600
DB 817 TGTCTCTAGAGCTCCCTGTGTCTCTCTGCACTGTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 876
QY 601 CCCCGT 660
DB 877 CCCCGT 936
QY 661 CAGTACGACAAACAGACAGTCTGT 720
DB 937 CAGTACGACAAACAGACAGTCTGT 996
QY 721 GCAGCCCACTGCTTTCAGAAACATACCGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 780
DB 997 GCAGCCCACTGCTTTCAGAAACATACCGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1056

QY 781 GACAAAGTGGGAGCTTCCATCCCTGCTGTGGCCAGATCATCATTTGAATTCAAC 840
DB 1057 GACAAAGTGGGAGCTTCCATCCCTGCTGTGGCCAGATCATCATTTGAATTCAAC 1116
QY 841 CCCATGTACCCCAAGAGCAATGATCGGCCCTCATGAAGCTGAGTCCCACTCACTTTC 900
DB 1117 CCCATGTACCCCAAGAGCAATGATCGGCCCTCATGAAGCTGAGTCCCACTCACTTTC 1176
QY 901 TCAGGACAGTCAAGGCCCTCTGTCTGCCCTTCTTTGATGAGAGTCACTCAGCCACC 960
DB 1177 TCAGGACAGTCAAGGCCCTCTGTCTGCCCTTCTTTGATGAGAGTCACTCAGCCACC 1236
QY 961 CCACCTGTGATCATTTGATGAGGAGCTTTAGCAAGCAAGATGAGAGGAAAGTGTCTACATA 1020
DB 1237 CCACCTGTGATCATTTGATGAGGAGCTTTAGCAAGCAAGATGAGAGGAAAGTGTCTACATA 1296
QY 1021 CTGCTGCAAGGCGTCAAGTCAAGGTCATTTGACAGCAACAGGTGCAATGACAGATCGTAC 1080
DB 1297 CTGCTGCAAGGCGTCAAGTCAAGGTCATTTGACAGCAACAGGTGCAATGACAGATCGTAC 1356
QY 1081 CAGGGGAAAGTCAACGAGAAATGATGTGTGACAGGCAATCCGGAAGGGGGTGTGACACC 1140
DB 1357 CAGGGGAAAGTCAACGAGAAATGATGTGTGACAGGCAATCCGGAAGGGGGTGTGACACC 1416
QY 1141 TGGCAGGAGTGAAGTGTGGGGCCCTGATGTAACAATCTGACCAAGTGGATGGTGGGC 1200
DB 1417 TGGCAGGAGTGAAGTGTGGGGCCCTGATGTAACAATCTGACCAAGTGGATGGTGGGC 1476
QY 1201 ATCGTTAGCTGGGAGTATGCTGCGGGAGGCCAGACCCCAAGAGTATACCAAGATC 1260
DB 1477 ATCGTTAGCTGGGAGTATGCTGCGGGAGGCCAGACCCCAAGAGTATACCAAGATC 1536
QY 1261 TCAGCCTATCTCACTGATCTTACAAATGTCTGGAAGGCTGAGCTG 1305
DB 1537 TCAGCCTATCTCACTGATCTTACAAATGTCTGGAAGGCTGAGCTG 1581

RESULT 4

US-09-656-002-1
Sequence 1, Application US/09656002
Patent No. 6455668
GENERAL INFORMATION:
APPLICANT: Mack, David
APPLICANT: Giehl, Kurt
APPLICANT: Wilson, Keith
TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING COLORECTAL CANCER, COMPOSITIONS, AND
FILE REFERENCE: A-69108/DJB/JJD/AMS
CURRENT APPLICATION NUMBER: US/09/656,002
CURRENT FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: US 09/525,993
PRIOR FILING DATE: 2000-03-15
PRIOR APPLICATION NUMBER: US 09/493,444
PRIOR FILING DATE: 2000-01-28
PRIOR APPLICATION NUMBER: PCT/US 00/07044
PRIOR FILING DATE: 2000-03-15
NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1
LENGTH: 2079
TYPE: DNA
ORGANISM: Homo sapiens
US-09-656-002-1

Query Match 99.0%; Score 1292; DB 3; Length 2079;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1303; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 3 GGAATCTGACAGTGAACCACTCTGAACAGCCTCGATGTCAACCCCTGGGCAAAACCCG 62
DB 216 GGAATCTGACAGTGAACCACTCTGAACAGCCTCGATGTCAACCCCTGGGCAAAACCCG 275
QY 63 TATCCCATGAGAACCTTGAGAAAG-GTGGGATCCCATCATATGACCTAATGAGCC 121

DB 276 TATCCCATGAGAACCTTGAGAAAGTGGGATCCCATCATATGACCTAATGAGCC 335
QY 122 TGGCAGATATCATATTTGTTGTCTCATCAAGGTGATTTGAGTAATAATCTACTTC 181
DB 336 TGGCAGATATCATATTTGTTGTCTCATCAAGGTGATTTGAGTAATAATCTACTTC 395
QY 182 TGTGGGAGAGCTCTCCACTTCAATCCGAGGAACAGTGTGTATACCGAGAGCTGGAAT 241
DB 396 TGTGGGAGAGCTCTCCACTTCAATCCGAGGAACAGTGTGTATACCGAGAGCTGGAAT 455
QY 242 GTCCCTTGGGAGGAGACGAGAGCACTGTCAAGAGCTTCCCGAAGGGGCTGCACTG 301
DB 456 GTCCCTTGGGAGGAGACGAGAGCACTGTGTCAAGAGCTTCCCGAAGGGGCTGCACTG 515
QY 302 CAGTCCGCTCTTCAAGGACCGATCCACATGCAAGTGTGGAATCTGCGCCACAGGGAAT 361
DB 516 CAGTCCGCTCTTCAAGGACCGATCCACATGCAAGTGTGGAATCTGCGCCACAGGGAAT 575
QY 362 GGTCTCTGCGCTTTTGGCAACTTCAAGAAAGCTCTGCTGAGACAGCCTGTAAGGACA 421
DB 576 GGTCTCTGCGCTTTTGGCAACTTCAAGAAAGCTCTGCTGAGACAGCCTGTAAGGACA 635
QY 422 TGGGCTACAGCAGCAAAACCACTTTCAGAGCTGTGAGATTGGCCAGACAGATCTG 481
DB 636 TGGGCTACAGCAGCAAAACCACTTTCAGAGCTGTGAGATTGGCCAGACAGATCTG 695
QY 482 ATGTTGTTGAATCAACAGAAAACAGCCAGAGCTTGCATGGGAACTCAATGTGGCCCT 541
DB 696 ATGTTGTTGAATCAACAGAAAACAGCCAGAGCTTGCATGGGAACTCAATGTGGCCCT 755
QY 542 GTCTCTAGGCTCCCTGGTCTCCCTGCACTGTCTTGGCTGTGGGAAAGCCTGAAAGACC 601
DB 756 GTCTCTAGGCTCCCTGGTCTCCCTGCACTGTCTTGGCTGTGGGAAAGCCTGAAAGACC 815
QY 602 CCCGTGTGGTGGGAGGAGAGGCTCTGTGGAATCTTGGCCTTGGCAGTGCAGATCC 661
DB 816 CCCGTGTGGTGGGAGGAGAGGCTCTGTGGAATCTTGGCCTTGGCAGTGCAGATCC 875
QY 662 AGTACGAAACAGAACGCTGTGTGAGAGGAGATCTGGAACCCCACTGGGCTCTCAGCG 721
DB 876 AGTACGAAACAGAACGCTGTGTGAGAGGAGATCTGGAACCCCACTGGGCTCTCAGCG 935
QY 722 CAGCCCACTGCTTCAAGAAACATACCGATGTGTTCAACTGGAAGGTGCGGGCAGGCTCAG 781
DB 936 CAGCCCACTGCTTCAAGAAACATACCGATGTGTTCAACTGGAAGGTGCGGGCAGGCTCAG 995
QY 782 ACAAAGTGGGAGCTTCCCATCTGCTGGCTGTGGCCAGAGTCAATCATATTGAATTCAAC 841
DB 996 ACAAAGTGGGAGCTTCCCATCTGCTGGCTGTGGCCAGAGTCAATCATATTGAATTCAAC 1055
QY 842 CCATGATCCCAAGACATATGATCGCCCTCATGAGGTGAGTCCCACTCACTTCT 901
DB 1056 CCATGATCCCAAGACATATGATCGCCCTCATGAGGTGAGTCCCACTCACTTCT 1115
QY 902 CAGGACAGTCAAGGCCCATCTGTCTGCCCTTCTTTGATGAGAGAGTCACTCCAGCCACC 961
DB 1116 CAGGACAGTCAAGGCCCATCTGTCTGCCCTTCTTTGATGAGAGAGTCACTCCAGCCACC 1175
QY 962 CACTCTGATCATTTGATGAGGAGCTTTTACAGACAGAAATGAGAGGAAGTCTGACATAC 1021
DB 1176 CACTCTGATCATTTGATGAGGAGCTTTTACAGACAGAAATGAGAGGAAGTCTGACATAC 1235
QY 1022 TGTCTGAGGCTCAAGTCAAGTCAATTTGACAGCAACAGGTGCAATGACAGATCGTAC 1081
DB 1236 TGTCTGAGGCTCAAGTCAAGTCAATTTGACAGCAACAGGTGCAATGACAGATCGTAC 1295
QY 1082 AGGGGAAATCAACGAGAAAGATGTGTGACAGGCAATCCCGAAGGGGGTGTGACACT 1141
DB 1296 AGGGGAAATCAACGAGAAAGATGTGTGACAGGCAATCCCGAAGGGGGTGTGACACT 1355
QY 1142 GCGAGGATGACATGTGTGGGCCCTGTGATGTAACAATCTGACAGGTGCAATGTGTGGGCA 1201

Db 1356 GCCAGGCTGACAGTGGTGGGCCCCCTGATGTACCAATCTGACAGTGGAGATGTGGGCA 1415
Qy 1202 TGGTAGCTGGGGCTATAGCTGGGGGGCCCCGAGCAACCCAGAGATATACCAAGTCT 1261
Db 1416 TGGTAGCTGGGGCTATAGCTGGGGGGCCCCGAGCAACCCAGAGATATACCAAGTCT 1475
Qy 1262 CAGCCATCTCAATGATCTCAATGTCTGAAAGGCTGAGCTG 1305
Db 1476 CAGCCATCTCAATGATCTCAATGTCTGAAAGGCTGAGCTG 1519

RESULT 5
US-09-851-588-5
/ Sequence 5, Application US/09851588
/ Patent No. 6682890
/ GENERAL INFORMATION:
/ APPLICANT: Mack, David
/ APPLICANT: Gish, Kurt C.
/ APPLICANT: Wilson, Keith B.
/ TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING COLORECTAL CANCER, COMPOSITIONS, AND
/ TITLE OF INVENTION: OF SCREENING FOR COLORECTAL CANCER MODULATORS
/ FILE REFERENCE: A-68829-1/DJB/JJD/AMS
/ CURRENT APPLICATION NUMBER: US/09/851,588
/ PRIOR FILING DATE: 2001-09-24
/ PRIOR APPLICATION NUMBER: US 09/642,252
/ PRIOR FILING DATE: 2000-08-17
/ PRIOR APPLICATION NUMBER: US 09/656,002
/ PRIOR FILING DATE: 2000-09-06
/ NUMBER OF SEQ ID NOS: 9
/ SOFTWARE: Patent in version 3.1
/ SEQ ID NO 5
/ LENGTH: 2079
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-851-588-5

Query Match 99.04; Score 1292; DB 4; Length 2079;
Best local similarity 99.94; Pred. No 0;
Matches 1303; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 3 GAGTCTGACAGTATCACTCTGTAACAGCTGATGTCAACCCCTGGCAAAACCCCG 62
Db 216 GAGTCTGACAGTATCACTCTGTAACAGCTGATGTCAACCCCTGGCAAAACCCCG 275
Qy 63 TATCCCCATGAGAACCTTTCAGAAAG-GTGGGATTCCTCCATCATCATATAGCACTAGACC 121
Db 276 TATCCCCATGAGAACCTTTCAGAAAGTGTGGGATTCCTCCATCATCATATAGCACTAGACC 335
Qy 122 TGGCAGATCATCATTTGTTGCTCTCATCAAGGATTTCTGATAAATACTACTTCC 181
Db 336 TGGCAGATCATCATTTGTTGCTCTCATCAAGGATTTCTGATAAATACTACTTCC 395
Qy 182 TCTGCGGAGAGCTCTTCACTTCACTCCGAGAAAGAGCTGTGTGACGAGAGCTGACT 241
Db 396 TCTGCGGAGAGCTCTTCACTTCACTCCGAGAAAGAGCTGTGTGACGAGAGCTGACT 455
Qy 242 GTCCCTTGGGGGAGAGAGAGAGCACTGTGTCAAGAGCTTCCCGAAGGGCTGCACTG 301
Db 456 GTCCCTTGGGGGAGAGAGAGAGCACTGTGTCAAGAGCTTCCCGAAGGGCTGCACTG 515
Qy 302 CAGTCCGCTCTCTCAAGAGACCGATTCACACTGACAGGTGCTGACTCGGCCACAGGAACT 361
Db 516 CAGTCCGCTCTCTCAAGAGACCGATTCACACTGACAGGTGCTGACTCGGCCACAGGAACT 575
Qy 362 GGTTCCTGCTGCTTTTGAACAATTCAAGAAAGCTCTCGCTGAGACAGCTGTAGAGGA 421
Db 576 GGTTCCTGCTGCTTTTGAACAATTCAAGAAAGCTCTCGCTGAGACAGCTGTAGAGGA 635
Qy 422 TGGGCTACAGACAGAAACCACTTTGAGAGCTGTGAGATTTGGCCAGACAGAGATCTG 481
Db 636 TGGGCTACAGACAGAAACCACTTTGAGAGCTGTGAGATTTGGCCAGACAGAGATCTG 695
Qy 482 ATGTTGTGAATCAAGAAAACAGCAGAGAGCTTGCATGCGGAACTCAAGTGGGCTT 541

Db 696 ATGTTGTGAATCAAGAAAACAGCAGAGAGCTTGCATGCGGAACTCAAGTGGGCTT 755
Qy 542 GTCTCAAGGCTTCCCTGTCTCTCTGCACTGTCTTTCCTGTGGAGAGCTTGAAGACC 601
Db 756 GTCTCAAGGCTTCCCTGTCTCTCTGCACTGTCTTTCCTGTGGAGAGCTTGAAGACC 815
Qy 602 CCCGTGTGGGTGGGGAGAGAGGCTCTGTGATTTCTTGGCCCTTGGCAGGTCAAGATCC 661
Db 816 CCCGTGTGGGTGGGGAGAGAGGCTCTGTGATTTCTTGGCCCTTGGCAGGTCAAGATCC 875
Qy 662 AGTACGACAAACAGCAGCTGTGTGAGAGAGCAATCTGACCCCACTGGGTCTCTACGG 721
Db 876 AGTACGACAAACAGCAGCTGTGTGAGAGAGCAATCTGACCCCACTGGGTCTCTACGG 935
Qy 722 CAGCCCACTGCTTCAAGAAACATACCGATGTGTCAACTGAAAGGTGCGGAGAGCTCAG 781
Db 936 CAGCCCACTGCTTCAAGAAACATACCGATGTGTCAACTGAAAGGTGCGGAGAGCTCAG 995
Qy 782 ACAAGCTGGGAGCTTCCCATCCCTGGCTGTGGCCAAAGATCATCATGTAATTCAACC 841
Db 996 ACAAGCTGGGAGCTTCCCATCCCTGGCTGTGGCCAAAGATCATCATGTAATTCAACC 1055
Qy 842 CCATGTACCCCAAGACAAATGACATGCGCCCTCATGAGCTGACAGTTCCCATCTTCT 901
Db 1056 CCATGTACCCCAAGACAAATGACATGCGCCCTCATGAGCTGACAGTTCCCATCTTCT 1115
Qy 902 CAGGCAAGTCAAGGCCCATGTGTCTGCTGCTTCTTTGATGAGAGCTCATCTCCAGCCACC 961
Db 1116 CAGGCAAGTCAAGGCCCATGTGTCTGCTGCTTCTTTGATGAGAGCTCATCTCCAGCCACC 1175
Qy 962 CACTGTGATCATTTGATGGGGCTTTTACGAAAGCAATGAGAGGAAAGATGCTGACATAC 1021
Db 1176 CACTGTGATCATTTGATGGGGCTTTTACGAAAGCAATGAGAGGAAAGATGCTGACATAC 1225
Qy 1022 TGCTGAGGGGCTAGTCCAGGTCAATTGACAGCAACCGGTCAATGACAGATGCTGACC 1081
Db 1236 TGCTGAGGGGCTAGTCCAGGTCAATTGACAGCAACCGGTCAATGACAGATGCTGACC 1285
Qy 1082 AGGGGAAAGTCAACCGAAGAAATGATGTGACAGCAATCCCGAAGGGGGTGTGACACT 1141
Db 1296 AGGGGAAAGTCAACCGAAGAAATGATGTGACAGCAATCCCGAAGGGGGTGTGACACT 1355
Qy 1142 GCCAGGGTGAAGTGTGGGCCCCCTGATGTACCAATCTGACCAAGTGGCATGTGGGCA 1201
Db 1356 GCCAGGGTGAAGTGTGGGCCCCCTGATGTACCAATCTGACCAAGTGGCATGTGGGCA 1415
Qy 1202 TGGTAGCTGGGGCTATAGCTGGGGGGCCCCGAGCAACCCAGAGATATACCAAGTCT 1261
Db 1416 TGGTAGCTGGGGCTATAGCTGGGGGGCCCCGAGCAACCCAGAGATATACCAAGTCT 1475
Qy 1262 CAGCCATCTCAATGATCTCAATGTCTGAAAGGCTGAGCTG 1305
Db 1476 CAGCCATCTCAATGATCTCAATGTCTGAAAGGCTGAGCTG 1519

RESULT 6
US-09-607-745-8
/ Sequence 8, Application US/09607745
/ Patent No. 6750034
/ GENERAL INFORMATION:
/ APPLICANT: Darrow, Andrew L
/ APPLICANT: Qi, Jai-shen
/ APPLICANT: Andrade-Gordon, Patricia
/ TITLE OF INVENTION: DNA encoding human serine protease D-G
/ FILE REFERENCE: ORT-1273
/ CURRENT APPLICATION NUMBER: US/09/607,745
/ PRIOR FILING DATE: 2000-06-30
/ NUMBER OF SEQ ID NOS: 9
/ SOFTWARE: Patent in Ver. 2.1
/ SEQ ID NO 8
/ LENGTH: 1189
/ TYPE: DNA

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; ORGANISM: Artificial Sequence
;
; FEATURE:
;
; OTHER INFORMATION: Description of Artificial Sequence: Fusion gene
US-09-607-745-8

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Query Match	51.6%	Score 674;	DB 4;	Length 1189;
Best Local Similarity	97.9%	Pred. No. 8.5e-183;		
Matches 683;	Conservative	0;	Mismatches 15;	Indels 0;
			Gaps	0

QY	608	UGGUGGGGAGGAGAGGAGGCTCTGGAGATTCCTGGCTTGGCAGGTCAGATCCAGTACG	667
Db	167	TCGTTGGGGGGCTATGCTCTAGATGTGGATTCTTGGCCTTGGCAGGTACAGATCCAGTACG	226
QY	668	ACAAACAGCAGCTCTGTGGAGGGAGCATCTTGACCCCACTGGGTCTCAAGCGCAGCC	727
Db	227	ACAAACAGCAGCTCTGTGGAGGGAGCATCTTGACCCCACTGGGTCTCAAGCGCAGCC	286
QY	728	ACTGCTTCAGGAAACATACCGATGTGTCACTGGAAAGTGGGGCAGGCTCAAGCAAC	787
Db	287	ACTGCTTCAGGAAACATACCGATGTGTCACTGGAAAGTGGGGCAGGCTCAAGCAAC	346
QY	788	TGGGAGCTTCCCATCCCTGGCTGTGGCCAAAGATCATCATATTGAATTCAACCCCATGT	847
Db	347	TGGGAGCTTCCCATCCCTGGCTGTGGCCAAAGATCATCATATTGAATTCAACCCCATGT	406
QY	848	ACCCCAAGACAAATGACATGCGCCCTCAGAAAGCTGCACTGCTCCACTCACTTCTCAGCA	907
Db	407	ACCCCAAGACAAATGACATGCGCCCTCAGAAAGCTGCACTGCTCCACTCACTTCTCAGCA	466
QY	908	CAGTCAGGCGCCATCTGTCTGGCTCTTCTTGATGAGAGCTCACTCAGACCAACCCCATCT	967
Db	467	CAGTCAGGCGCCATCTGTCTGGCTCTTCTTGATGAGAGCTCACTCAGACCAACCCCATCT	526
QY	968	GGATCATTTGGATGGGGCTTTTACGAAGCAAGATGAGGGGAATGTCTTGAACATCTGCTGC	1027
Db	527	GGATCATTTGGATGGGGCTTTTACGAAGCAAGATGAGGGGAATGTCTTGAACATCTGCTGC	586
QY	1028	AGGCGTCAGTCCAGGTCATTTGACAGACACCGGTGCATATGACAGCGATCGTACCAAGGGGG	1087
Db	587	AGGCGTCAGTCCAGGTCATTTGACAGACACCGGTGCATATGACAGCGATCGTACCTGGGGG	646
QY	1088	AAATCACCGAAGATGATGTGTGTGACAGGATCTCCGAAAGGGGGTGTGACACTGTGCCAGG	1147
Db	647	AAATCACCGAAGATGATGTGTGTGACAGGATCTCCGAAAGGGGGTGTGACACTGTGCCAGG	706
QY	1148	GTGACAGTGTGGGGCCCTGATGTACCAATCTGACCAAGTGCATGTGGGCACTGTTA	1207
Db	707	GTGACAGTGTGGGGCCCTGATGTACCAATCTGACCAAGTGCATGTGGGCACTGTTA	766
QY	1208	GCTGGGGGCTATGCTGTGCGGGGGCCGAGCACCCCAAGAGTATACCAAGGCTTCAGCCT	1267
Db	767	GCTGGGGGCTATGCTGTGCGGGGGCCGAGCACCCCAAGAGTATACCAAGGCTTCAGCCT	826
QY	1268	ATCTCACTGATCTTACATATGTCTGGAAAGGCTGAGACTG	1305
Db	827	ATCTCACTGATCTTACATATGTCTGGAAAGGCTGAGACTG	864

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RESULT 7
US-10-177-661-3
/ Sequence 3, Application US/10177661
/ Patent No. 6794173
/ GENERAL INFORMATION:
/ APPLICANT: Anderson, Dirk M.
/ APPLICANT: Virca, G. Duke
/ TITLE OF INVENTION: DENDRITIC CELL TRANSMEMBRANE SERINE PROTEASE
/ FILE REFERENCE: 3256-A
/ CURRENT APPLICATION NUMBER: US/10/177,661
/ CURRENT FILING DATE: 2002-06-20
/ PRIOR APPLICATION NUMBER: US 60/299,606
/ PRIOR FILING DATE: 2001-06-20
/ NUMBER OF SEQ ID NOS: 6
/ SOFTWARE: PatentIn version 3.1

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; SEQ ID NO 3
; LENGTH: 1341
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1341)
; OTHER INFORMATION:
US-10-177-661-3

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Query Match	14.6%;	Score 190.4;	DB 4;	Length 1341;
Best Local Similarity	56.1%;	Pred. No. 3.4e-44;		
Matches 425;	Conservative 0;	Mismatches 321;	Indels 12;	Gaps 3;

QY	560	TTCTCCCTGCATCTGCTTGGCTGCTGGGAAAGACCTGAAGACCCCCCTGTGGTGGTGGG	619
Db	566	TTCTCCCTTCAGTGTCTCCCATCTGCGGACTGAGGGGCGCATGACCGGGCGGATCTGTGGAGGGG	625
QY	620	AGGAGGCGCTGTGGGATTTCTTGGCCCTTGGCAGGTCAAGCATTCAGTACGACAAACAGACG	679
Db	626	CGCTGGCGCTGGATATGACAAAGTGGCCCTTGGCAAGTAGATCTTGCACTTGGGACCAACCA	685
QY	680	TCCTGTGAGAGGAGCATCTCTGAGACCCCACTGGGTCTCTACGGGACAGCCCATCTGCTTC	735
Db	686	TCTGTGGAGGACCGCTCATTTGACCCCAAGTGGGTCTCATCTGCGGCCCATCTGCTTCTTGG	745
QY	736	--AGGAAACATACCGATGTGTTCAACTGGAAGTGGCGGGCAGGCTCAGAACAACTGGGCA	793
Db	746	TGACCCCGGAGAAAGTCTCTGAGAGGGCTTGGAAAGTGTACGGGGGACCAACAGACCTTGACC	805
QY	794	GCTTCCC--ATCCCTGGCTGTGGCCCAAGATCATCATATTGAATTGAACTTGAATCC	850
Db	806	AGTTGGCTGAGGAGCGCTCCATTCGCGAGATCATATCAACAGCAATTAACCGATGAGG	865
QY	851	CCAAAGACATGACATGGCCCTCATTGAAGCTGCAAGTTCCCACTACATTTCACAGCACAG	910
Db	866	AGGACGATATGACATGCGCCCTCATGTGGGCTGTCCAAAGCCCTCAGCCCTGTGCGCTACA	925
QY	911	TCAGGCCCATCTGTCTGTGCGCCCTTCTTTTATGAGAGTCACTCCAGCCACCCCATCTGGA	970
Db	926	TTCAACCTGCTGCTCTCCCATGCAATGACAGACACTTTAGCTCAATGAGACTGTCTGGA	985
QY	971	TCATTGATGCGGCTTTACGAAGACAAATGAGAGGAAGATGTGACATACTGTCTGACGG	1030
Db	986	TCACAGGCTTTTGGCAAGACAGGGAGACAGATGACAAAGACATCCCCCTTCTCCGGGAGG	1045
QY	1031	CGTCACTCCAGGTCAATTGACAGACACGGGTGCAATGCAAGACGATGCGTATCCAGGGGGAGG	1090
Db	1046	TGCAGGTCAATCTCATCACTTCAAGAAATGCAATGACTTAATTTGGTCTATGACAGTTACC	1105
QY	1091	TCACCGAAGAAATATGTGTGTCAGACGCAATCCCGGAAAGGGGGGTGTGGAACACTGCCAGGGTG	1150
Db	1106	TTACCCCAAGGATGATGTGTGCTGTGGGACCTTTCGTGGGGGGCAGAGACTCTTGCCAGGGAG	1165
QY	1151	ACAAGTGTGGGCCCTGTATGT---ACCAATCTGACAGTGGCATGTGGTGGCATTCGTTA	1207
Db	1166	ACAGGGGGGGGCGCTTGTCTGTGAGCAGAACACCGCTGTGTACTGTGCAGAGTGTACCA	1223
QY	1208	GCTGGGGCTATGTGCTGCGGGGGGCCGAGCACCCAGAGATATACCAACAGGCTTTCAGCTT	1267
Db	1226	GCTGGGGCAGACGGCTGTGGCCAGAGAAACAACCTGGGTGTATACCAACAAATGACAGAGG	1285
QY	1268	ATCTCAATGGAATCTACAAATGTCTTGAGAAAGCTGAGCTG	1305
Db	1286	TTCTTCCCTGATTTACGAAAGATGAGACGAGAGGTG	1323

RESULT 8
US-10-177-661-1
; Sequence 1, Application US/10177665
; Patent No. 6794173
; GENERAL INFORMATION:
; APPLICANT: Anderson, Dirk M.

Db 1464 TTAACCCAGAGATGATGTGTGCTGGGAGCCTTGTGGGGGACAGAGACTCTGCCAGGAG 1523
 Qy 1151 ACAGGTGGGCCCCCTGATGT---ACCAATCTGACCAAGTGCATGTGTGGGACATGTTA 1207
 Db 1524 ACAGCGGGGGGCTTGTGTGTGTGAGACAGAAACCGCTGTACTGGCAGGTGTACCA 1583
 Qy 1208 GCTGGGGCTATGGCTGGGGGGGCGGACGCCCAAGATATACCAAGTGTCAAGCTT 1267
 Db 1584 GCTGGGGACAGGCTGTGGCCAGAGAAACCAACCTGTGTGTACCAAGTGTACAGAG 1643
 Qy 1268 ATCTCACTGATCTACAAATGTCTGGAAGGCTGAGCTG 1305
 Db 1644 TTCTTCCTGGATTACAGCAAGATGAGAGCGAGGTG 1681

RESULT 10
 US-09-949-016-5210
 / Sequence 5210, Application US/09949016
 / Patent No. 6812339
 / GENERAL INFORMATION:
 / APPLICANT: VENTER, J. Craig et al.
 / TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 / FILE REFERENCE: CL001307
 / CURRENT APPLICATION NUMBER: US/09/949,016
 / CURRENT FILING DATE: 2000-04-14
 / PRIOR APPLICATION NUMBER: 60/241,755
 / PRIOR FILING DATE: 2000-10-20
 / PRIOR APPLICATION NUMBER: 60/237,768
 / PRIOR FILING DATE: 2000-10-03
 / PRIOR APPLICATION NUMBER: 60/231,498
 / PRIOR FILING DATE: 2000-09-08
 / NUMBER OF SEQ ID NOS: 207012
 / SOFTWARE: PasteSeq for Windows Version 4.0
 / SEQ ID NO 5210
 / LENGTH: 2440
 / TYPE: DNA
 / ORGANISM: Human
 US-09-949-016-5210

Query Match 12.6%; Score 164.6; DB 4; Length 2440;
 Best Local Similarity 53.4%; Pred. No. 1.1e-36;
 Matches 419; Conservative 0; Mismatches 354; Indels 12; Gaps 3;
 Qy 532 AGTGGGCCCCCTGTCTCAAGGCTCCCTGCTCCCTGCACGTCTGCTGGGGAAGAGC 591
 Db 772 AGGAGGAGATGTGCTGTGACAGCTGTGTACCTTGAAGTGCACAGGCTGTGTATGA 831
 Qy 592 CTG---AAGACCCCGT 648
 Db 832 AGGGGCTACAGCTCAGCAGCATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 891
 Qy 649 CAGGTCAAGTCCAGTACGACAAACAGACAGCTCTGTGTGTGTGTGTGTGTGTGTGTGT 708
 Db 892 CAGGCCAGCTTCAAGTTCAGAGGCTTACCACTGTGTGTGTGTGTGTGTGTGTGTGTGT 951
 Qy 709 TGGGTCTCAAGGAGCCCACTGCTT-----CAGAAACATACCGATGTGTCAACTGG 762
 Db 952 TGGATCATCTGTGTGACACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1011
 Qy 763 AAGGTGGGCAAGGCTCAAGCAAACTGGAGCTTCCATCTCTGTGTGTGTGTGTGTGTGT 822
 Db 1012 CAGGTGGGTCTAAGTTCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1071
 Qy 823 ATCATCTTGAATTCACACCCCATGTATCCCAAGACAAATGACATCGGCTCATGAAGCTG 882
 Db 1072 GTCTACCAACAGATGACAAAGCAAGAGGCTGTGTGTGTGTGTGTGTGTGTGTGTGT 1131
 Qy 883 CAGTTCCTCACTCTTCTCAAGGACAGTCAAGGCTGTGTGTGTGTGTGTGTGTGTGTGT 942
 Db 1132 GCGGGGCACTCACTTCTCATTAAGAAATGATCAAGCTGTGTGTGTGTGTGTGTGTGTGT 1191
 Qy 943 GAGCTCACTCAAGCACCACCACTGTGATCATTTGATGTGGGCTTTACGAAGCAGATGGA 1002

Db 1192 AACTTCCCGATGGAAGAAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1251
 Qy 1003 GGAAGATGTCTGACATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1062
 Db 1252 GGTGAGCCTTCCCTGT 1311
 Qy 1063 AATGACAGATGATGT 1122
 Db 1312 AACCAAGAGAGATGT 1371
 Qy 1123 GAAGGGGT 1179
 Db 1372 ACGGT 1431
 Qy 1180 GACCAATGT 1239
 Db 1432 AGGCTGT 1491
 Qy 1240 CCAGAGATATACCAAGGCTCTCAAGCTTATCTCACTGATCTTACATGTCTGAAAGCT 1299
 Db 1492 CTTGGGT 1551
 Qy 1300 GAGCT 1304
 Db 1552 GAGCT 1556

RESULT 11
 US-09-949-016-5211
 / Sequence 5211, Application US/09949016
 / Patent No. 6812339
 / GENERAL INFORMATION:
 / APPLICANT: VENTER, J. Craig et al.
 / TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 / FILE REFERENCE: CL001307
 / CURRENT APPLICATION NUMBER: US/09/949,016
 / CURRENT FILING DATE: 2000-04-14
 / PRIOR APPLICATION NUMBER: 60/241,755
 / PRIOR FILING DATE: 2000-10-20
 / PRIOR APPLICATION NUMBER: 60/237,768
 / PRIOR FILING DATE: 2000-10-03
 / PRIOR APPLICATION NUMBER: 60/231,498
 / PRIOR FILING DATE: 2000-09-08
 / NUMBER OF SEQ ID NOS: 207012
 / SOFTWARE: PasteSeq for Windows Version 4.0
 / SEQ ID NO 5211
 / LENGTH: 2440
 / TYPE: DNA
 / ORGANISM: Human
 US-09-949-016-5211

Query Match 12.6%; Score 164.6; DB 4; Length 2440;
 Best Local Similarity 53.4%; Pred. No. 1.1e-36;
 Matches 419; Conservative 0; Mismatches 354; Indels 12; Gaps 3;
 Qy 532 AGTGGGCCCCCTGTCTCAAGGCTCCCTGCTCCCTGCACGTCTGTGCTGTGTGTGTGTGT 591
 Db 772 AGGAGGAGATGTGCTGTGACAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 831
 Qy 592 CTG---AAGACCCCGT 648
 Db 832 AGGGGCTACAGCTCAGCAGCATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 891
 Qy 649 CAGGTCAAGTCCAGTACGACAAACAGACAGCTCTGTGTGTGTGTGTGTGTGTGTGTGTGT 708
 Db 892 CAGGCCAGCTTCAAGTTCAGAGGCTTACCACTGTGTGTGTGTGTGTGTGTGTGTGTGT 951
 Qy 709 TGGGTCTCAAGGAGCCCACTGCTT-----CAGAAACATACCGATGTGTCAACTGG 762
 Db 952 TGGATCATCTGTGTGACACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1011

QY 763 AAGTGGGAGGAGCTCAGCAAACTGGGAGCTTCCATCCCTGGGCTGTGGCCAAATC 822
| | | | |
DB 1012 CAGTGGGCTCTAGTTTCCCTGTGGACAAATCCAGCCCACTTGTGGAGAAATT 1071
| | | | |
QY 823 ATCATCATTTGAATTCACCCCATGATCCCAAGACAAATGACATCGCCCTCATGAAGCTG 882
| | | | |
DB 1072 GTTACCAAGCAAGTACCAAGCCAAAGAGGCTGGCAATGACATCGCCCTTATGAAGCTG 1131
| | | | |
QY 883 CAGTCCCACTCACTTTCTCAGGACAGTCAAGGCCCATCTGTCTGCTCTTTGATGAG 942
| | | | |
DB 1132 GCCGGGCACTCACTGTCAATGAATATCAGCTGTGTGCTGCTGCCCACTCGAAGAG 1191
| | | | |
QY 943 GAGCTCACTCAAGCCCACTCTGTGATCATTTGAGTGGGCTTTAGAGAGAAATGA 1002
| | | | |
DB 1192 AACCTTCCCGATGAAAGTGTGTGTGACGTCAAGAAATGGGAGCCACAGAGATGAGCA 1251
| | | | |
QY 1003 GGAAGATGTCTGACATCTGTGAGGAGGCTCAGTCCAGTTCATTTGACAGCAACGGTGC 1062
| | | | |
DB 1252 GGTGAGGCTTCCCTGTCTGTGAACAGCGCGGCTTGTGATTTCAACAGATGTGC 1311
| | | | |
QY 1063 AATGCAAGCATCGTACCAAGGGGAAATGACCGAGAAATGATGTGTGAGGATCCG 1122
| | | | |
DB 1312 AACCAAGGAGCGTGTGAGGATCATCTCCCTCAGTGTGTGCGGGGCTACTG 1371
| | | | |
QY 1123 GAAGGGGTGTGACACCTGCGAGGAGTGAAGTGTGGGCTTATGATGACAA--TCT 1179
| | | | |
DB 1372 ACGGATGCGTGTGACAGCTGCGAGGAGCAAGCGGGGCTTGTGTGAGAGAG 1431
| | | | |
QY 1180 GACCAATGTGTGATGTGGGATCTGTAGTGGGCTATGAGCTGTGGGGGCTCCGAGACC 1239
| | | | |
DB 1432 AGCTGTGAAAGTGTAGTGGAGCGACAGCTTGTGGCTGTGCGAGAGTGAAG 1491
| | | | |
QY 1240 CCAAGATATACCAAGGTCTCAGCTATCTCAATGTGATCTAATGTGTGAAGGCT 1299
| | | | |
DB 1492 CCGGGGTGTACACCGGTGTCACTCTCTGTGAGTGTGACAGAGATGAGAGA 1551
| | | | |
QY 1300 GAGCT 1304
| | | | |
DB 1552 GACCT 1556
| | | | |

RESULT 12

US-09-949-016-5212
Sequence 5212, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 5212
LENGTH: 2440
TYPE: DNA
ORGANISM: Human
US-09-949-016-5212

Query Match 12.6%; Score 164.6; DB 4; Length 2440;
Best Local Similarity 53.4%; Pred. No. 1.1e-36;
Matches 419; Conservative 0; Mismatches 354; Indels 12; Gaps 3;
QY 532 AATGAGGCGCTGTCTCAGAGCTCCCTGTCTCCCTGCACTGTCTTGGCTGTGGAGAGC 591
| | | | |
DB 772 AGGAGGAGATGTGCTCTGTGGCAGCTGTGATCTTGTGAGTGCACAGCCTGTGTCTATGA 831
| | | | |

QY 592 CTG---AAGACCCCCCTGTGTGTGGTGGAGAGAGGCTCTGTGATTTCTGGCCCTTG 648
| | | | |
DB 832 AGGAGGCTACAGCTCAGCATGTGTGGTGAAGCAATGCTCTTGTCTGTGAGTGGCCCTGG 891
| | | | |
QY 649 CAGGTGACATTCAGTACAGCAAAACAGACAGTCTGTGAGAGGAGATCTGTGACCCAC 708
| | | | |
DB 892 CAGGCCAGCTTCAAGTTCCAGGGGCTACCACTGTGCGGGGGCTGTGTATCAAGCCCTG 951
| | | | |
QY 709 TGGTCTCTCAGCGAGCCCACTGCTT-----CAGAAACATACGATGTGTCACTGG 762
| | | | |
DB 952 TGGATCATCTCTGTGACACTGTGTATGACTTGTATCTCCCAATGATGACATC 1011
| | | | |
QY 763 AAGTGGGAGGAGCTCAGCAAACTGGGAGCTTCCATCCCTGGGCTGTGGCCAAATC 822
| | | | |
DB 1012 CAGTGGGCTCTAGTTTCCCTGTGGACAAATCCAGCCCACTTGTGGAGAAATT 1071
| | | | |
QY 823 ATCATCATTTGAATTCACCCCATGATCCCAAGACAAATGACATCGCCCTCATGAAGCTG 882
| | | | |
DB 1072 GTTACCAAGCAAGTACCAAGCCAAAGAGGCTGGCAATGACATCGCCCTTATGAAGCTG 1131
| | | | |
QY 883 CAGTCCCACTCACTTTCTCAGGACAGTCAAGGCCCATCTGTCTGCTCTTTGATGAG 942
| | | | |
DB 1132 GCCGGGCACTCACTGTCAATGAATGATCAGCTGTGTGCTGCCCACTCTGAAGAG 1191
| | | | |
QY 943 GAGCTCACTCAGCAACCCCACTGTGATCATTTGATGGGCTTTAGAGAGAAATGA 1002
| | | | |
DB 1192 AACCTTCCCGATGAAAGTGTGTGTGACGTCAAGAAATGGGAGCCACAGAGATGAGCA 1251
| | | | |
QY 1003 GGAAGATGTGTGACATCTGTGAGGAGGCTCAGTCCAGTTCATTTGACAGCAACGGTGC 1062
| | | | |
DB 1252 GGTGAGGCTTCCCTGTCTGTGAACAGCGCGGCTTGTGATTTCAACAGATGTGC 1311
| | | | |
QY 1063 AATGCAAGCATCGTACCAAGGGGAAATGACCGAGAAATGATGTGTGAGGATCCG 1122
| | | | |
DB 1312 AACCAAGGAGCGTGTGAGGATCATCTCCCTCAGTGTGTGCGGGGCTACTG 1371
| | | | |
QY 1123 GAAGGGGTGTGACACCTGCGAGGAGTGAAGTGTGGGCTTATGATGACAA--TCT 1179
| | | | |
DB 1372 ACGGATGCGTGTGACAGCTGCGAGGAGCAAGCGGGGCTTGTGTGAGAGAG 1431
| | | | |
QY 1180 GACCAATGTGTGATGTGGGATCTGTAGTGGGCTATGAGCTGTGGGGGCTCCGAGACC 1239
| | | | |
DB 1432 AGCTGTGAAAGTGTAGTGGAGCGACAGCTTGTGGCTGTGCGAGAGTGAAGAG 1491
| | | | |
QY 1240 CCAAGATATACCAAGGTCTCAGCTATCTCAATGTGATCTAATGTGTGAAGGCT 1299
| | | | |
DB 1492 CCGGGGTGTACACCGGTGTCACTCTCTGTGAGTGTGACAGAGATGAGAGA 1551
| | | | |
QY 1300 GAGCT 1304
| | | | |
DB 1552 GACCT 1556
| | | | |

RESULT 13

US-09-518-046-1
Sequence 1, Application US/09518046
Patent No. 6294663
GENERAL INFORMATION:
APPLICANT: O'Brien, Timothy J.
TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
in Ovarian Carcinoma and Uses Thereof
FILE REFERENCE: D6192CIP
CURRENT APPLICATION NUMBER: US/09/518,046
CURRENT FILING DATE: 2000-03-02
EARLIER APPLICATION NUMBER: 09/261,416
EARLIER FILING DATE: 1999-03-03
NUMBER OF SEQ ID NOS: 153
SEQ ID NO 1
LENGTH: 2413
TYPE: DNA
ORGANISM: Homo sapiens

FEATURE:
 NAME/KEY: CDS
 OTHER INFORMATION: entire cDNA sequence of RAD-12 gene
 US-09-518-046-1

Query Match 11.9%; Score 151; DB 3; Length 2413;
 Best Local Similarity 53.5%; Pred. No. 6 4e-34;
 Matches 420; Conservative 0; Mismatches 350; Indels 15; Gaps 4;

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QY 532 AGTGGGCTGTCTCTCAGGCTCCCTGTGTCTCTGCACTGTCTTGTGCTGGAGAGC 591
DB 717 AGGAGGAGATGTGCTCTGGCCACCGTGTACCTTGACATGACAGCCTGTGATAGA 776
QY 552 CTG---AAGACCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 648
DB 777 AGGGGCTACGCTCAGCAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 836
QY 649 CAGGTCAAGATCCAGTACAGCAAAACAGCAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 708
DB 837 CAGGCCAGCTTCAAGTTCAGAGGCTACACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 896
QY 709 TGGGTCTTCAAGCAGCAGCAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 762
DB 897 TGGATCATCATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 956
QY 763 AAGTGTGGGCTCAGGCTCAGCAAACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 822
DB 957 CAGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1016
QY 823 ATCATCATTTGAATTCACCCCATGTATACCCCAAGACATGACATGTGCTCATGTAGAGCTG 882
DB 1017 GTCTACACAGAGATGACAAAGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1076
QY 883 CAGTTCCTCAGCTTCTTCTCAGGACAGTCAAGGCTCATGTGTGTGTGTGTGTGTGTGTGTGT 942
DB 1077 GCCGGGCTCAGCTCATGTATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1136
QY 943 GAGCTCAGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGG 1002
DB 1137 AACTTCCCGATGAGAAAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1193
QY 1003 GGAAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1062
DB 1194 GGTGAGGCTCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1253
QY 1063 AATGCAAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1122
DB 1254 AACCAAGAGAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1313
QY 1123 GAAGGGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1179
DB 1314 AGGGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1373
QY 1180 GACCAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1239
DB 1374 AGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1433
QY 1240 CCAAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1299
DB 1434 CCGGGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1493
QY 1300 GAGCT 1304
DB 1494 GAGCT 1498
  
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RESULT 14
 US-09-879-792-35
 Sequence 35, Application US/09879792
 Patent No. 6734006
 GENERAL INFORMATION:
 APPLICANT: Xiao, Yonghong
 APPLICANT: Gedrich, Richard

TITLE OF INVENTION: Regulation of Human Transmembrane Serine
 TITLE OF INVENTION: Protease
 FILE REFERENCE: 02973.00035
 CURRENT APPLICATION NUMBER: US/09/879,792
 PRIOR FILING DATE: 2001-06-13
 PRIOR APPLICATION NUMBER: US 60/211,224
 PRIOR FILING DATE: 2000-06-13
 PRIOR APPLICATION NUMBER: US 60/283,353
 PRIOR FILING DATE: 2001-04-13
 PRIOR APPLICATION NUMBER: US 60/283,648
 PRIOR FILING DATE: 2001-04-16
 PRIOR APPLICATION NUMBER: ACT
 PRIOR FILING DATE: 2001-06-12
 NUMBER OF SEQ ID NOS: 36
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 35
 LENGTH: 1230
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc feature
 LOCATION: (1)...(1230)
 OTHER INFORMATION: n = A,T,C or G
 US-09-879-792-35

Query Match 11.6%; Score 151.4; DB 4; Length 1230;
 Best Local Similarity 54.8%; Pred. No. 4.9e-33;
 Matches 418; Conservative 0; Mismatches 321; Indels 24; Gaps 5;

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QY 550 TCTCCTGCACTGTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 619
DB 404 TCTCTCCAGATGTTCCCACTGCGACATGAGGCGCATGACCGGGGATGTGTGTGTGTGTGT 463
QY 620 AGAAGGCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 679
DB 464 CCTGCTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 523
QY 680 TCTGTGAGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 735
DB 524 TCTGTGAGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 583
QY 736 --AGAAACATACCGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 793
DB 584 TGACCCGAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 643
QY 794 GCTTCCC--ATCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 850
DB 644 AGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 703
QY 851 CCAAGACATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 910
DB 704 AGAAGCATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 763
QY 911 TCAGGCCATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 965
DB 764 GAATGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 823
QY 966 CTGATCATTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1018
DB 824 TGTGACATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 883
QY 1019 TACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1078
DB 884 TCTCTCGGAGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 943
QY 1079 ACCAGGGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1138
DB 944 ATGACATGTTACTTACCCCAAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1003
QY 1139 CTTGCCAGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1195
DB 1004 CTTGCCAGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1063
  
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QY 1196 TGGGATCTTAACTGGGGCTTATGCTGCGGGGCCCCGAGACCCGAGGATATACCA 1255
DB 1064 CAGGTGTACCACTGAGGGGCAAGCTGTGGCCAGAGAAACAACTGTGTGTACCA 1123
QY 1256 AGGCTCAGCCTATCTCACTGATGTATCAATGTCTGGAGGC 1298
DB 1124 AAGTACAGAACTTCTTCCCTGATTTTACAGCAAGATGAGGC 1166

RESULT 15
US-09-759-143-931
Sequence 931, Application US/09759143
Patent No. 6800746
GENERAL INFORMATION:
APPLICANT: Xu, Jiaochun
APPLICANT: Dillon, David C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Henderson, Robert A.
APPLICANT: Kairos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Derrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aljun
APPLICANT: Skeiky, Yashir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.427C23
CURRENT FILING DATE: 2001-01-12
NUMBER OF SEQ ID NOS: 934
SOFTWARE: PasteSeq for Windows Version 3.0
SEQ ID NO 931
LENGTH: 1476
TYPE: DNA
ORGANISM: Homo sapiens
US-09-759-143-931

Query Match 11.5%; Score 150; DB 4; Length 1476;
Best Local Similarity 51.7%; Fred. No. 1.4e-32;
Matches 534; Conservative 0; Mismatches 460; Indels 38; Gaps 7;
QY 304 GTCCGCTCTCCAGAGACCATCCAGCTGAGGTGCTGAGCTCGGCCACAGGAACTGG 363
DB 445 GTTGCGCTCTTACGATCAACTTCTTCAAGGTGTACTCATCTCAAGAGAACTCTGG 504
QY 364 TTCTCTGCTGTTTTCAGCACTTCCAGAGAGCTCTGCTGAGACAGCTGTAGGCAATG 423
DB 505 CACCTGTGTGCAAGAGCACTGAGAAAGAACTACGGGGCGGCGCTGCAAGGACATG 564
QY 424 GGCTACAGACCAACCACTTTCAGAGCTGTGAGATTTGGCCAGACCAAGATCTGGAT 483
DB 565 GGGTATTAAGATTAATTTTACTTAG-CCAAAGAAATGTGATGACAGCGATCCACAG 623
QY 484 GTTGTGAATCAGAAAGAGCCAGAGGCTTCG-----CATGCGAACTCAAG 533
DB 624 CTTTATGAAGTAAACAAAGTGGCGGCAATGTGATATATAAAATGTACACAG 683
QY 534 TGGGCTCTGTCTCAAGGCTCCCTGTCTCTGCACTGTCTTGGCTGTGGAGAGCT 593
DB 684 TGATGCTGTCTTCAAAAGAGTGTCTTTACGCTGTATAGCTGCGGGTCACTT 743
QY 594 GAAGACCCCGC-----GTGTGTGGTGGGAGAGGCTCTGTGTGATTCTTGGCC 644
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QY 645 TTGGCAGGTCAAGTCCAGTACAGAAACAGACAGTCTGTGGAGGAGCATCTGAGACC 704

DB 804 CTGGCAGGTCAAGCTTGCAGCTCCAGAACTCCATCTGTGGAGGCTTCATCATACCCC 863
QY 705 CCACTGGGCTCTCAAGGAGCCCACTGCTTCAAGAAAT-----ACGATGTGTCA 757
DB 864 CAGTGTATCTGTACACCGCCCACTGCTGTGAAAACTCTTAACTATTCATGCAATTG 923
QY 758 ACTGGAAGTGGGGGAGGCTCAGCAAACTGGGCAAGCTTCCATCCCTGCTGGGCA 817
DB 924 GACGGCATTTGGCGGGAATTTTGAACAACTTTTCAATGTTCTATGAGCCGATACCAAGT 983
QY 818 AGATCATCATCATTAATTTCAACCCATGT-----ACCCAAAGCAATGACATGCCCT 872
DB 984 AGAAAAGTATTTCTATCCAAATTTATGATCCAAAGCAAGAAATGACATTTGCCCT 1043
QY 873 CATGAAGCTGAGTTTCCACTCACTTTCTCAGGCAAGTCAAGGCCCATCTGTGCCCTT 932
DB 1044 GATGAAGCTGCAAGGCTCTGACTTTTCAACGACTTGTGAACCAAGTGTGTGCCCCA 1103
QY 933 CTTGATGAGAGGCTCACTCCAGCCACCCCACTGTGATCATTTGATGAGGCTTTACGA 992
DB 1104 CCGAGCATGATGCTTCAAGCCAAAGCTGTGATTTCCGGGTGGGGCCACCA 1163
QY 993 GCAGATGAGAGGAATGTCTGACATCTGCTCAAGGCTCAAGTCCAGTATTGACAG 1052
DB 1164 GAGAA---AGGAAAGCTCAGAAAGTGTGAAGCTGCAAGGTCTTCAATTGAGAC 1220
QY 1053 CACAGCTGCAATCAAGACATGTGTACAGAGGGAAATCCAGAAAGATGTGTGC 1112
DB 1221 ACAGAGATGCAACAGAGATGTGTATGACAACTGATCAACAGCATGATCTGTGC 1280
QY 1113 AGGATCCCGGAAGGGGTGTGACACTGCGCAAGGTGACAGTGTGGGCTCTG---AT 1169
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QY 1170 GTACCAATCTGACAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1229
DB 1341 TTCGAAGAACTATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1400
QY 1230 CCGAGACCCCAAGAGATATCACCAAGTCTCAGGCTATCTCAACTGATCTCAATGT 1289
DB 1401 AGCTTACAGACAGAGATGTACGGGAATGTGTGTGTGTGTGTGTGTGTGTGTGT 1460
QY 1290 CTGAGAGCTGA 1301
DB 1461 AATGAGGCGAGA 1472

Search completed: February 10, 2005, 08:48:20
Job time : 261 secs